Water Property Observations from the Vancouver Island Coastal Current Experiment: June, July and October, 1984

by
R.E. Thomson
Institute of Ocean Sciences
Sidney, B.C., Canada

B.M. Hickey
School of Oceanography, University of Washington
Seattle, Washington, U.S.A.

P.H. LeBlond
Department of Oceanography, University of British Columbia
Vancouver, B.C., Canada

Institute of Ocean Sciences
Department of Fisheries and Oceans
Sidney, B.C. V8L 4B2

1986

Canadian Data Report of Hydrography and Ocean Sciences
No. 46

Canada

86-03495/

Canadian Data Report Of Hydrography and Ocean Sciences

These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences,* Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

Ces rapports servent de véhicule pour la compilation et la diffusion des données sous une forme directement utilisable par les scientifiques et les techniciens.

En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques,* la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

Canadian Data Report of Hydrography and Ocean Sciences No. 46

1986

WATER PROPERTY OBSERVATIONS FROM THE VANCOUVER ISLAND COASTAL CURRENT EXPERIMENT: JUNE, JULY AND OCTOBER 1984

by

R.E. Thomson
Institute of Ocean Sciences
Sidney, B.C., Canada

B.M. Hickey
School of Oceanography, University of Washington
Seattle, Washington, U.S.A.

P.H. LeBlond
Department of Oceanography, University of British Columbia
Vancouver, B.C., Canada

Institute of Ocean Sciences
Department of Fisheries and Oceans
Sidney, B.C.   V8L 4B2

Copyright Minister of Supply and Services Canada - 1986

Cat. No. Fs 97-16/46 ISSN 0711-6721

Correct citation for this publication:

Thomson, R.E., B.M. Hickey and P.H. LeBlond. 1986. Water property observations from the Vancouver Island Coastal Current Experiment: June, July and October 1984. Can. Data Rep. Hydrogr. Ocean Sci. 46: 505 p.

CONTENTS Page

Abstract/Résumé iv

Acknowledgements v

Introduction 1

CTD Observations. 1

Niskin Bottle Observations. 3

Data Format 3

References 6

Cruise 84-12 (June 1984) 7

Cruise 84-13 (July 1984). 357

Cruise 84-14 (October 1984) 479

ABSTRACT

Thomson, R.E., B.M. Hickey and P.H. LeBlond. 1986. Water property observations from the Vancouver Island Coastal Current Experiment: June, July and October 1984. Can. Data Rep. Hydrogr. Ocean Sci. 46: 505 p.

This report presents listings of water property data collected during the Vancouver Island Coastal Current Experiment. Listings include temperature, salinity, density, sound speed and dynamic height anomaly based on CTD profiles together with temperature, salinity and dissolved oxygen content obtained from water samples.

Key words: coastal current; Vancouver Island; buoyancy current

RÉSUMÉ

Thomson, R.E., B.M. Hickey and P.H. LeBlond. 1986. Water property observations from the Vancouver Island Coastal Current Experiment: June, July and October 1984. Can. Data Rep. Hydrogr. Ocean Sci. 46: 505 p.

Le présent rapport fournit des listes de données sur les propriétés de l'eau recueillies au cours de l'Expérience sur la courant coastal de l'Île Vancouver. Les listes renferment des données sur la température, la salinité, la densité, la vitesse du son et l'anomalie géopotentielle, basées sur les profils de CTP de même que des données sur la température, la salinité et la teneur en oxygène dissous obtenues à partir d'echantillons d'eau.

Mots-clés: courant de coastal; Île Vancouver; courant de poussee.

ACKNOWLEDGEMENTS

We wish to thank the officers and crews of the CSS Parizeau and Pandora II for their cooperation during the CTD and mooring operations of the experiment. We also acknowledge the technical staff and students who enthusiastically participated in the cruises, including: J. Love, B. Minkley, C. de Jong, R. Bigham, D. Ripley, D. English, F. Stephenson, D. Mason, H. Feldman, A. Herman, J. Meikle, D. Francis, Hyungmah Yih, R. Ninnis, F. Doherty, and P. (Phillipe) LeBlond. Computational and drafting assistance was kindly provided by J. Linguanti, M. Cannon and P. Kimber. B. Mathias typed the manuscript.

Funding for Barbara Hickey was provided through ONR contract N00014-84-C-0111. Paul LeBlond was supported through NSERC equipment and operating grants A7490 and ES777.

INTRODUCTION

The Vancouver Island Coastal Current Experiment is a cooperative international project to investigate the circulation and water property variability off the west coast of Vancouver Island and northwest Washington. Particular emphasis is on the spatial and temporal structure of the narrow, poleward-flowing buoyancy-driven current previously observed along the west coast of the island (Thomson, 1981; Crawford and Thomson, 1984; Freeland, Crawford and Thomson, 1984; LeBlond, Hickey and Thomson, 1985). Moored arrays of current meters, pressure gauges and wind stations formed the core of the field program (Figure 1). Observations of the temperature, salinity and dissolved oxygen fields encompassing the moored array were obtained during three quasi-synoptic ship surveys in June, July and October 1984.

The purpose of this report is to make available the CTD and Niskin bottle data obtained during three ship surveys that covered the moored array over the Vancouver Island and Washington State continental margins. The times of the surveys are listed in Table 1; the station positions for each cruise are presented in a map preceding the data set. Data from moored instruments will be presented in subsequent reports.

CTD OBSERVATIONS

Profiles of water properties were obtained using a 8700-series Guildline CTD lowered from the stern of the research vessel via a 5/16" (8 mm) diameter, 7-conductor armorgraph cable. Output from the probe consisted of analogue voltages of temperature, conductivity and pressure calibrated for the full-scale ranges of 0 to 25°C, 0 to 40 $^{o}/oo$ and 0 to 1500 dbar, respectively. The probe output was connected to a Guildline deck unit where part of the signal was converted to temperature, salinity and pressure values for plotting on calibrated graph paper. These traces provided real-time displays of the temperature and salinity profiles and served as back-up to the tape storage system. The remaining branch of the output signal was input into a 2100-series HP computer, digitized at a rate of 10 samples per second and stored on a 9-track magnetic tape through a HP7970B digital unit. For variable rates of probe descent from 0.5 to 1.5 ms^{-1} this yielded vertical scale resolutions of order 10 cm. As well as being recorded on tape, digitized records were converted and listed every 5 m on a high speed printer. This allowed real-time monitoring of tape recorded data and enabled the operator to safely lower the probe to within a few metres of the seafloor. (On the continental shelf, the probe was usually lowered until it touched bottom, as as indicated by a sudden slackening of the CTD wire.) During each cruise, the absolute zero-depth voltage offset was established with the temperature and conductivity sensors a few centimetres below the sea surface in flat calm conditions. The offset was subtracted from subsequent pressure voltages.

Following each cruise, the raw voltages were converted to temperature, salinity and pressure and the data edited. For combined CTD and hydro cast stations, standard depth values were compared and correction curves for the CTDs determined. Although the standard deviations were significant in most cases the mean correction curves were generally within the manufacturer's specified accuracies for temperature, salinity and pressure of ± 0.03°C,

± 0.05 $^{o}/oo$ (parts per thousand) and ± 1%, respectively. The variances are in part attributable to the presence of vertical property gradients, especially at depths shallower than 150 m. In the present report, all corrections to temperature and salinity profiles are based on careful laboratory calibrations taken before each cruise.

NISKIN BOTTLE OBSERVATIONS

Rosette and hydro-cast observations using 1.7 litre Niskin bottles at standard depths were obtained at a selected number of CTD stations. Reversing thermometers attached to each water bottle were given 5 minutes to reach in situ temperatures prior to release of the messenger; bottles deeper than 250 m carried both protected and unprotected thermometers so that depths could be calculated. Water samples were drawn immediately after each cast.

Dissolved oxygen samples were drawn into 125 mL flasks and immediately pickled. Samples were analyzed within 24 hours of collection using a micro-Winkler technique (de Jong, 1974) which, for the typical range of upper layer values of 4 to 6 mL/L within the main region, gave accuracies better than 1%. Dissolved oxygen values are listed with the hydro data following each set of CTD listings.

DATA FORMAT

The cruise survey data are arranged in chronological order according to cruise number with CTD data followed by hydro (Niskin bottle) data. Each survey is identified by a title page giving the cruise number, month and year. This is followed by a map of the oceanographic stations occupied during the cruise. The facing page provides "keys" to the information written on the diagrams and in the header of the listings, together with the symbols and units for the various oceanic parameters.

Individual CTD casts are presented in chronological order. Each cast occupies two pages. On the left hand (even numbered) page are plots of the calibrated temperature and salinity profiles while on the right hand (odd numbered) page are listings of observed and derived oceanographic quantities. Salinity increases and temperature decreases with depth in the northeast Pacific so that each is easily identified within a given plot. The listings are for standard hydrographic depths. In the header are the cruise identification, the station name, the consecutive number of the cast, the latitude and longitude, the data (year, month, day) and the time (Pacific Standard Time = GMT - 8 hours). The number of "points" in the header refers to the number of 1-metre averaged depths obtained during a given cast.

The CTD data are followed by a listing of the temperature, salinity and dissolved oxygen values from the Nisksin bottle samples.

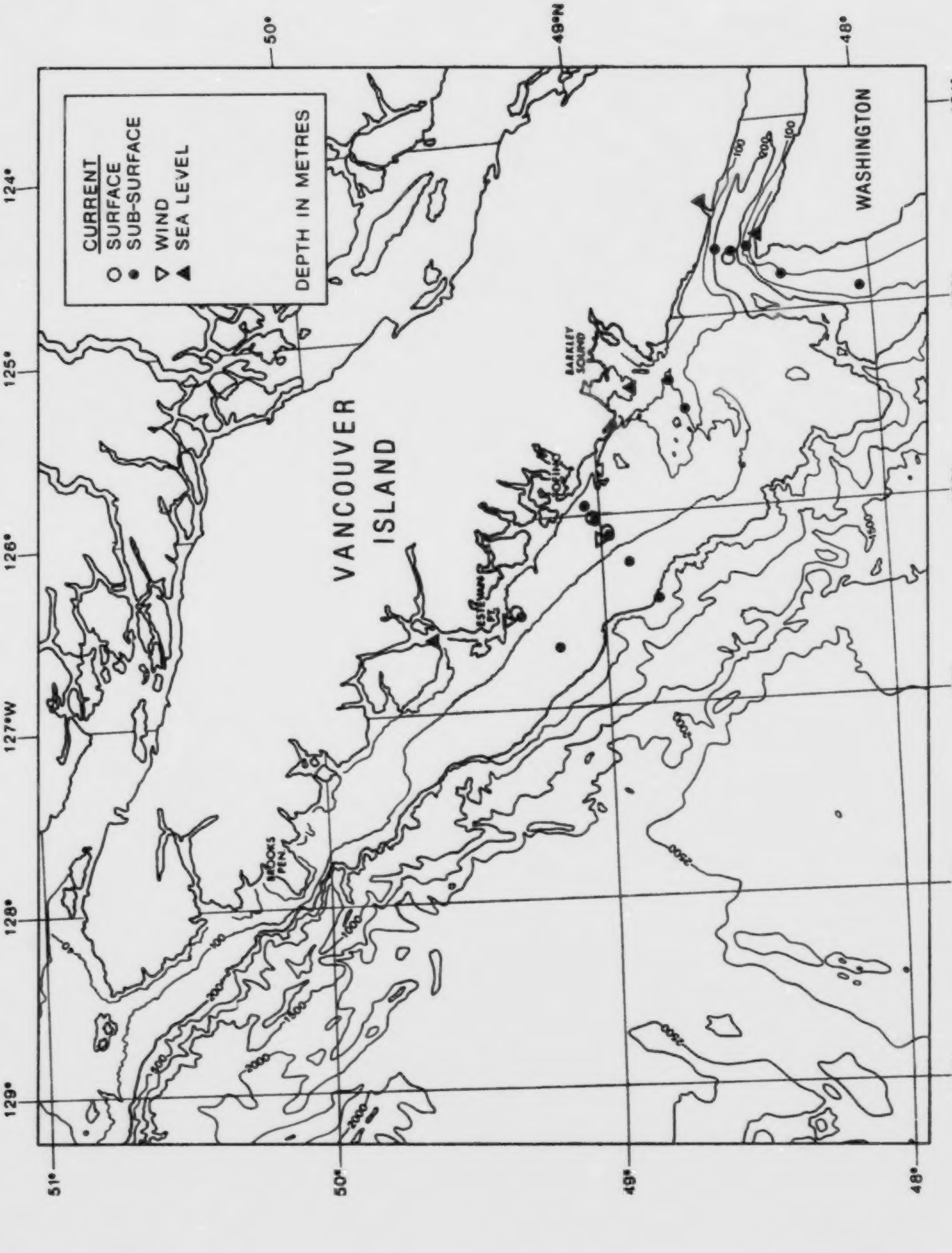

CURRENT
○ SURFACE
● SUB-SURFACE
▽ WIND
▲ SEA LEVEL
DEPTH IN METRES
VANCOUVER ISLAND
WASHINGTON
BARKLEY SOUND
TOFINO
ESTEVAN PT.
BROOKS PEN.
51°
50°
49°
49°N
48°
124°
125°
126°
127°
127°W
128°
129°
100
200
1000
1500
2000
2500

Figure 1. Location of Instruments

Table 1. The times of oceanographic ship surveys during the Vancouver Island Coastal Current Experiment

CRUISE ID	SURVEY PERIOD (1984)
84-12	18-30 June
84-13	23-27 July
84-14	30-31 October
84-15	(No CTD/Hydro Profiles)

REFERENCES

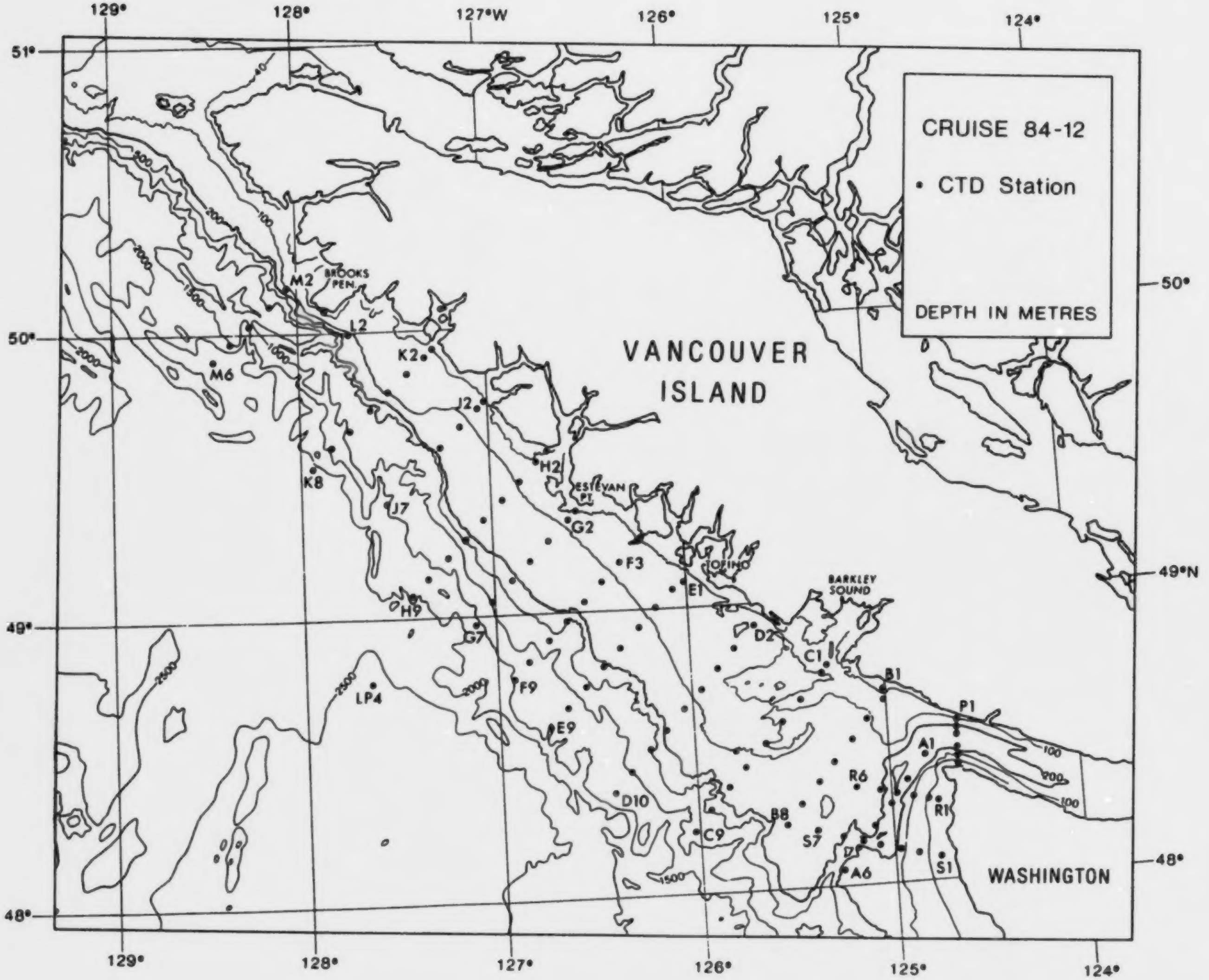
de Jong, C. 1974. Reference manual for oceanographic technicians on the weatherships, unpublished manuscript, Dept. of the Environment, Marine Sciences Branch, 248 p.

Freeland, H.J., W.R. Crawford and R.E. Thomson. 1984. Currents along the Pacific coast of Canada. *Atmosphere-Ocean*, *22*, 151-172.

LeBlond, P.H., B.M. Hickey and R.E. Thomson. Runoff driven coastal flow off British Columbia. *In*, Proceedings of NATO Workshop on the Influence of Fresh Water on the Sea, Bobo, Norway, May 1985 (in press).

Thomson, R.E. 1981. *Oceanography of the British Columbia Coast*. Can. Spec. Publ. Fish. Aquat. Sci., *56*, 291 p.

CRUISE 84-12
JUNE 1984


CRUISE 84-12
• CTD Station
DEPTH IN METRES
VANCOUVER ISLAND
WASHINGTON
BROOKS PEN.
ESTEVAN PT.
TOFINO
BARKLEY SOUND
M2
L2
K2
M6
J2
K8
H2
J7
G2
F3
E1
H9
G7
D2
C1
B1
P1
A1
F9
LP4
E9
R6
D10
R1
C9
B8
S7
A6
S1
129°
128°
127°W
126°
125°
124°
127°
51°
50°
49°
48°
49°N
100
200
1000
1500
2000
2500

VANCOUVER ISLAND COASTAL CURRENT EXPERIMENT

Key to information written on Plot pages and Listing pages.

PLOT PAGE

Ref. No. Year-Month-Station Consecutive Number
Latitude (°N) Longitude (°W)
Month Day Time (GMT)*

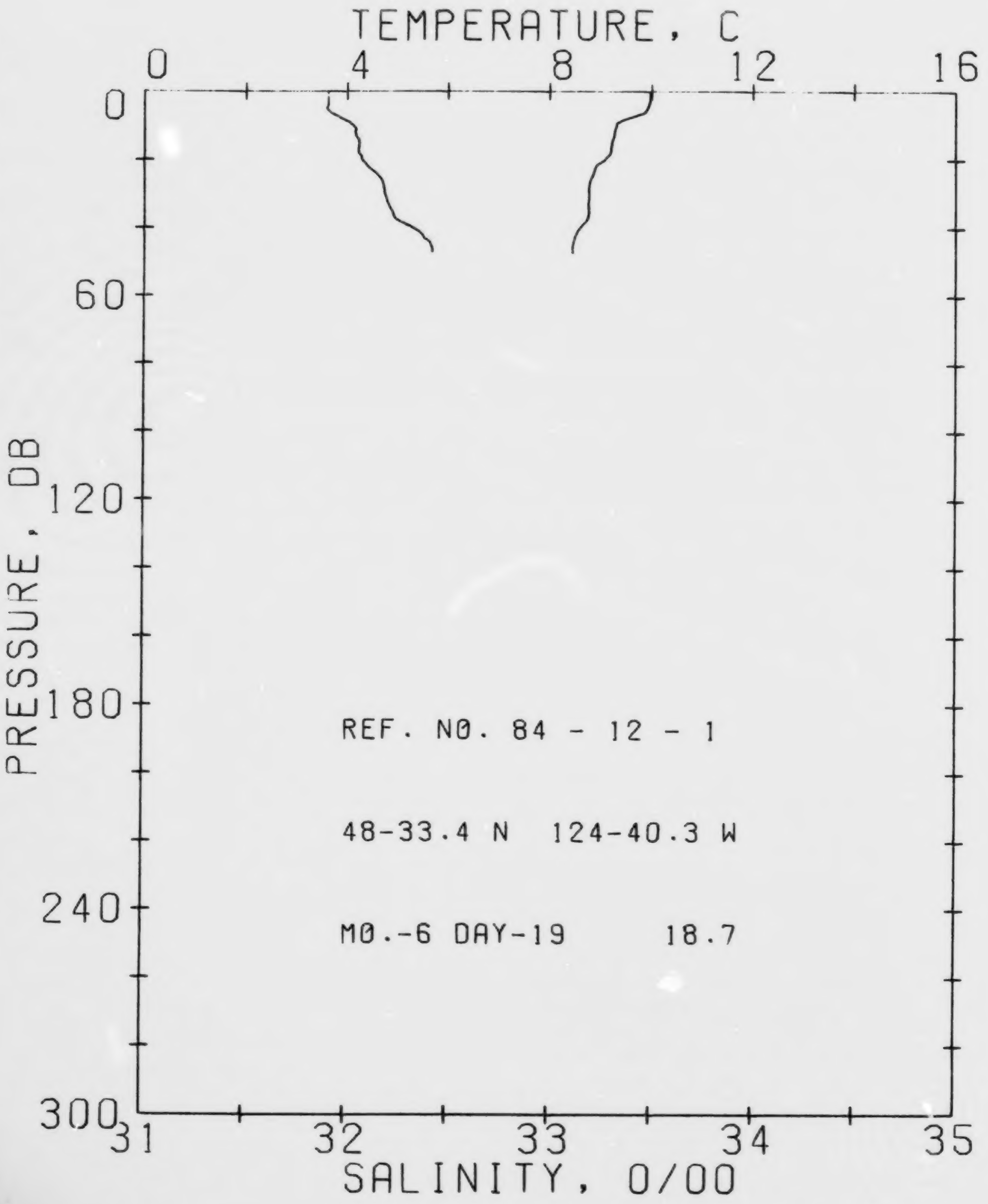
*PST = GMT - 8 hours

LISTING PAGE

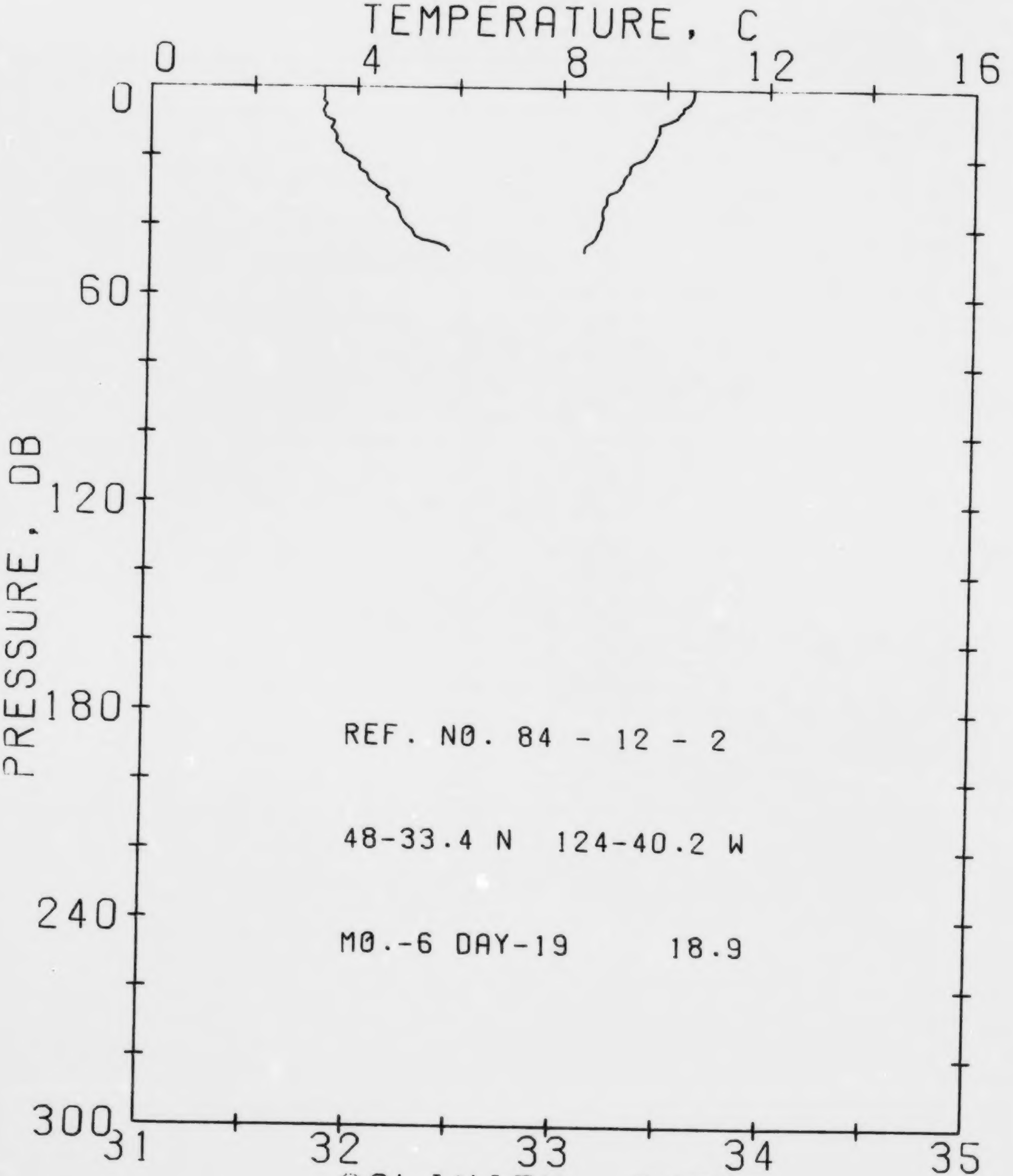
Ref. No. Year-Month-Station Reference Number Date (D/Mo/Yr)
Position Latitude Longitude GMT (Hours) Station ID
Results of STP Cast ... Number of 1-metre averaged points taken from digital output ... Guildline (CTP) was used ... Pressures (in db) are input.

PARAMETERS, SYMBOLS, UNITS

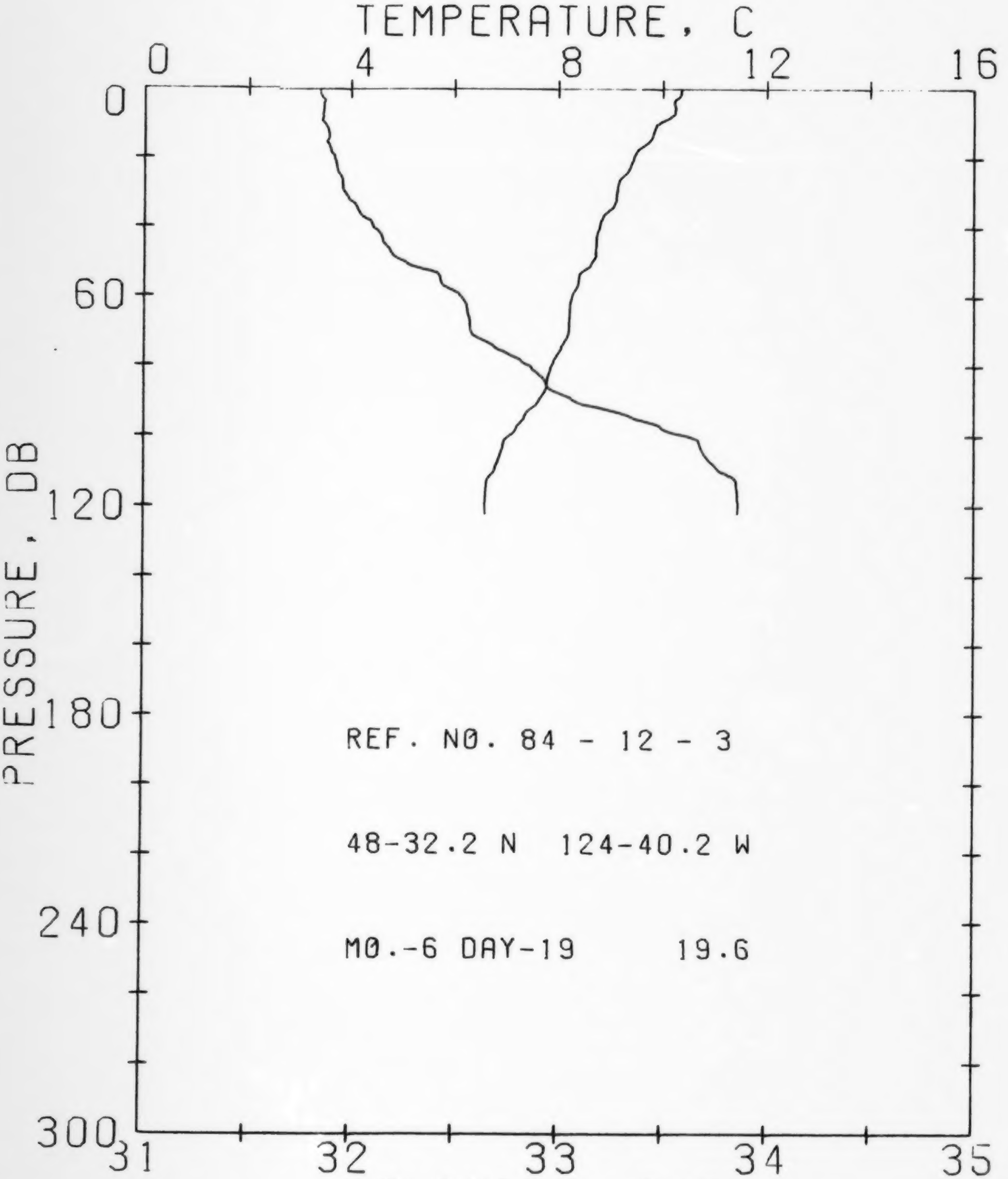
DEPTH: DEPTH in metres
TEMPERATURE: TEMP in degrees Celcius
SALINITY: SAL in grams per kilogram
SIGMA-T: SIG-T (dimensionless)
SPECIFIC VOLUME ANOMALY: SVA in 10Exp(-5)* cm^3/gram
GEOPOTENTIAL ANOMALY: DELTA-D in Joules/Kilogram
POTENTIAL ENERGY: POT. EN. in 10Exp(8) Ergs/cm^2
SPEED OF SOUND: SOUND in metres/second


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 1
48-33.4 N 124-40.3 W
MO.-6 DAY-19 18.7
31
32
33
34
35
SALINITY, 0/00

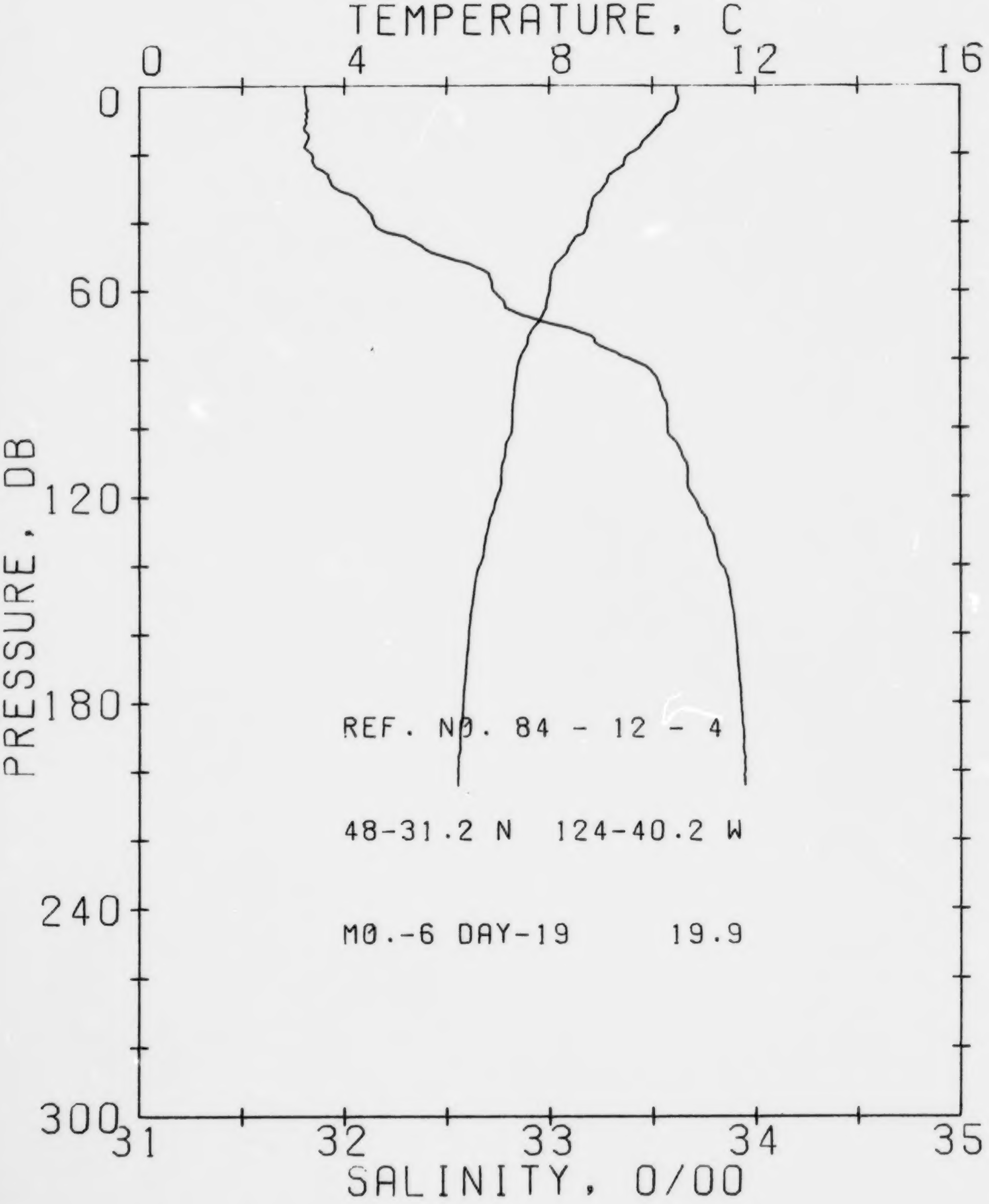
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  1          DATE 19/ 6/84
POSITION  48-33.4N, 124-40.3W   GMT 18.7       STATION P 1
RESULTS OF STP CAST    48 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                      T                D        EN
    0     9.98    31.91        0    24.57   337.9      .00      .00   1486.
   10     9.32    32.03       10    24.77   318.5      .33      .02   1484.
   20     9.08    32.08       20    24.84   311.9      .65      .06   1484.
   30     8.78    32.19       30    24.98   299.3      .95      .14   1483.
   50     8.51    32.42       50    25.20   278.5     1.53      .38   1482.

PRES  DEPTH          TEMP      SAL        PRES   DEPTH          TEMP     SAL

  0.                 9.98    31.91         24.                  8.86   32.15
  1.                 9.98    31.91         25.                  8.83   32.16
  2.                 9.98    31.91         26.                  8.80   32.17
  3.                 9.97    31.91         27.                  8.78   32.18
  4.                 9.96    31.91         28.                  8.77   32.18
  5.                 9.92    31.90         29.                  8.77   32.19
  6.                 9.89    31.92         30.                  8.78   32.19
  7.                 9.69    31.95         31.                  8.77   32.20
  8.                 9.48    31.98         32.                  8.77   32.20
  9.                 9.32    32.01         33.                  8.76   32.21
 10.                 9.32    32.03         34.                  8.77   32.21
 11.                 9.28    32.05         35.                  8.77   32.23
 12.                 9.28    32.04         36.                  8.77   32.23
 13.                 9.27    32.05         37.                  8.76   32.24
 14.                 9.24    32.06         38.                  8.72   32.26
 15.                 9.22    32.06         39.                  8.65   32.30
 16.                 9.21    32.06         40.                  8.59   32.33
 17.                 9.22    32.05         41.                  8.55   32.36
 18.                 9.20    32.06         42.                  8.51   32.38
 19.                 9.14    32.07         43.                  8.50   32.38
 20.                 9.08    32.08         44.                  8.47   32.41
 21.                 8.96    32.09         45.                  8.45   32.42
 22.                 8.90    32.11         46.                  8.45   32.42
 23.                 8.89    32.13         47.                  8.46   32.42
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 2
48-33.4 N 124-40.2 W
MO.-6 DAY-19 18.9

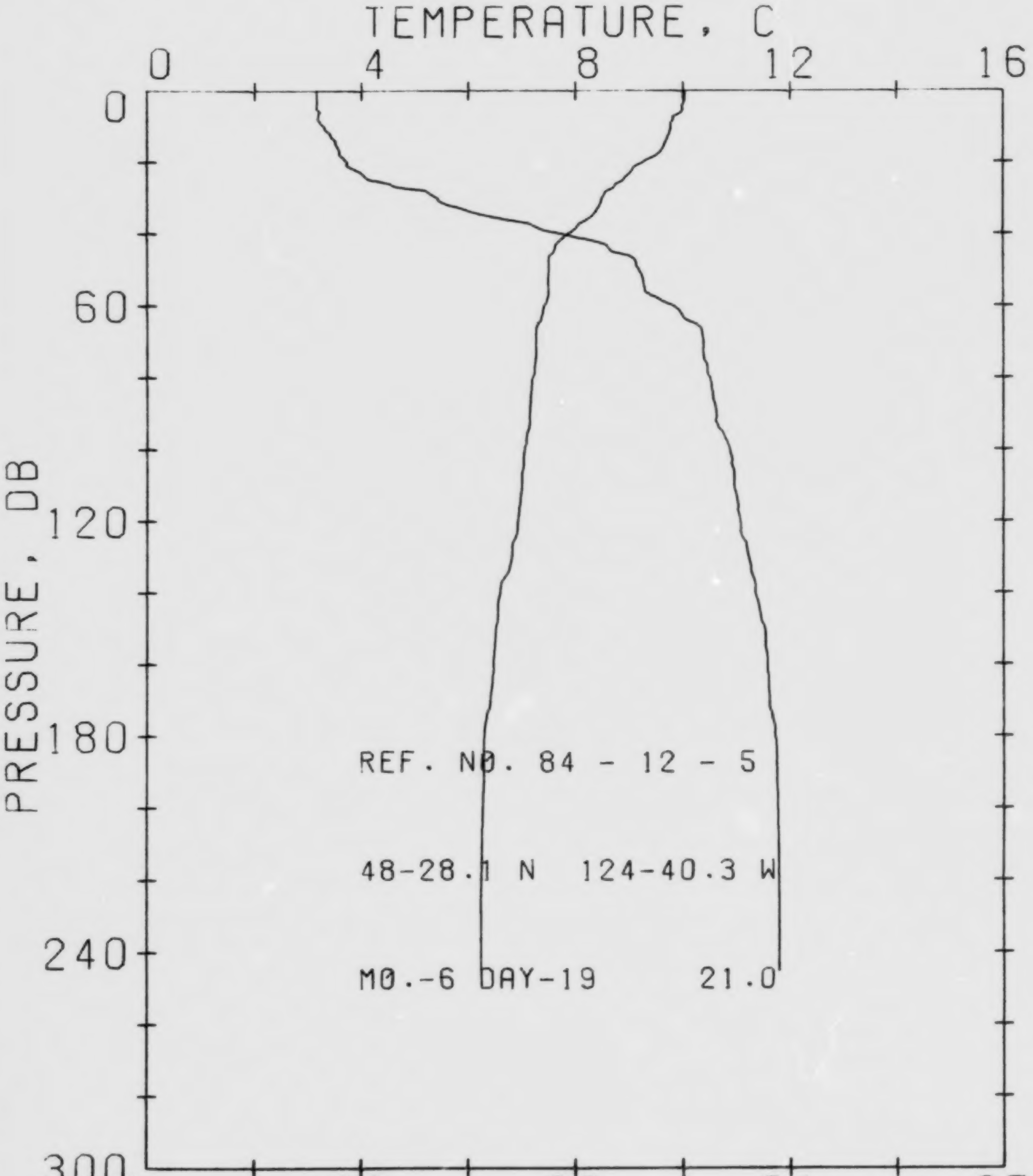
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  2        DATE 19/ 6/84
POSITION  48-33.4N, 124-40.2W   GMT 18.9       STATION P 1
RESULTS OF STP CAST    48 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
  0    10.53    31.84       0    24.42  351.6     .00      .00   1488.
 10     9.87    31.89      10    24.57  337.5     .35      .02   1486.
 20     9.59    31.96      20    24.68  327.8     .68      .07   1485.
 30     8.90    32.15      30    24.93  304.0    1.00      .15   1483.
 50     8.48    32.48      50    25.25  273.8    1.58      .38   1482.

PRES  DEPTH       TEMP     SAL       PRES   DEPTH       TEMP     SAL

  0.             10.53   31.84        24.               9.29   32.02
  1.             10.53   31.84        25.               9.21   32.05
  2.             10.53   31.84        26.               9.18   32.06
  3.             10.50   31.84        27.               9.17   32.06
  4.             10.46   31.83        28.               9.13   32.08
  5.             10.33   31.85        29.               9.08   32.11
  6.             10.32   31.84        30.               8.90   32.15
  7.             10.25   31.83        31.               8.85   32.16
  8.             10.22   31.84        32.               8.86   32.14
  9.             10.07   31.85        33.               8.86   32.15
 10.              9.87   31.89        34.               8.79   32.18
 11.              9.86   31.89        35.               8.77   32.20
 12.              9.87   31.87        36.               8.77   32.21
 13.              9.83   31.89        37.               8.80   32.21
 14.              9.80   31.90        38.               8.77   32.22
 15.              9.79   31.90        39.               8.76   32.23
 16.              9.75   31.90        40.               8.75   32.25
 17.              9.72   31.92        41.               8.70   32.27
 18.              9.67   31.93        42.               8.68   32.28
 19.              9.63   31.93        43.               8.65   32.29
 20.              9.59   31.96        44.               8.58   32.32
 21.              9.39   32.00        45.               8.46   32.41
 22.              9.31   32.02        46.               8.42   32.44
 23.              9.31   32.01        47.               8.44   32.45
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 3
48-32.2 N 124-40.2 W
MO.-6 DAY-19 19.6

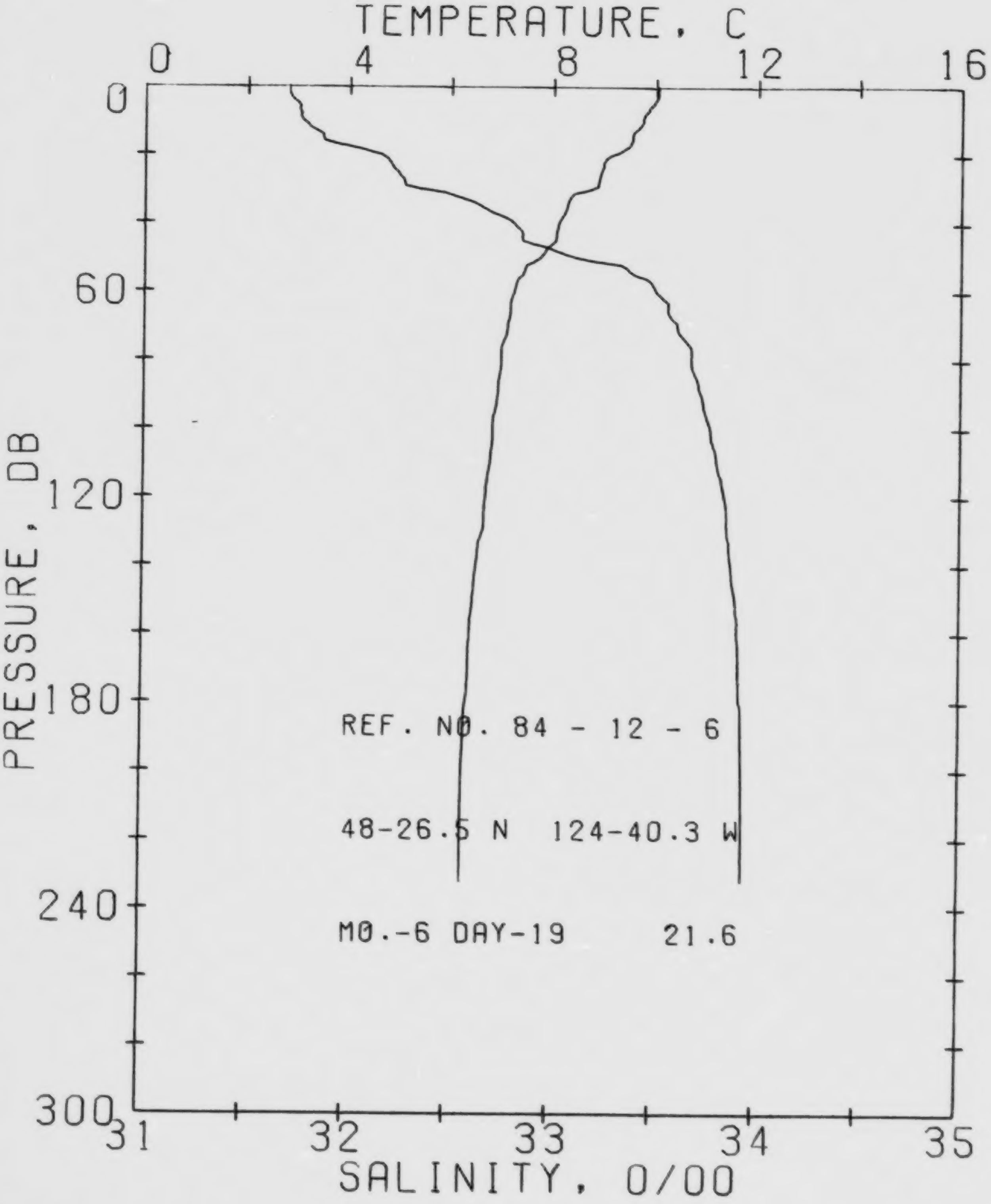
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  3        DATE 19/ 6/84
POSITION  48-32.2N, 124-40.2W   GMT 19.6      STATION P 2
RESULTS OF STP CAST   123 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D      EN
    0   10.36   31.85       0    24.46  348.0      .00     .00   1488.
   10    9.89   31.88      10    24.56  338.7      .34     .02   1486.
   20    9.44   31.92      20    24.67  328.6      .68     .07   1485.
   30    9.11   31.97      30    24.76  320.3     1.00     .15   1484.
   50    8.64   32.27      50    25.06  291.6     1.62     .40   1483.
   75    8.05   32.70      75    25.49  251.3     2.29     .82   1481.
  100    7.03   33.62      99    26.35  169.5     2.83    1.31   1479.
  125    6.59   33.86     124    26.60  146.8     3.22    1.76   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 4
48-31.2 N 124-40.2 W
MO.-6 DAY-19 19.9
31
32
33
34
35
SALINITY, O/OO

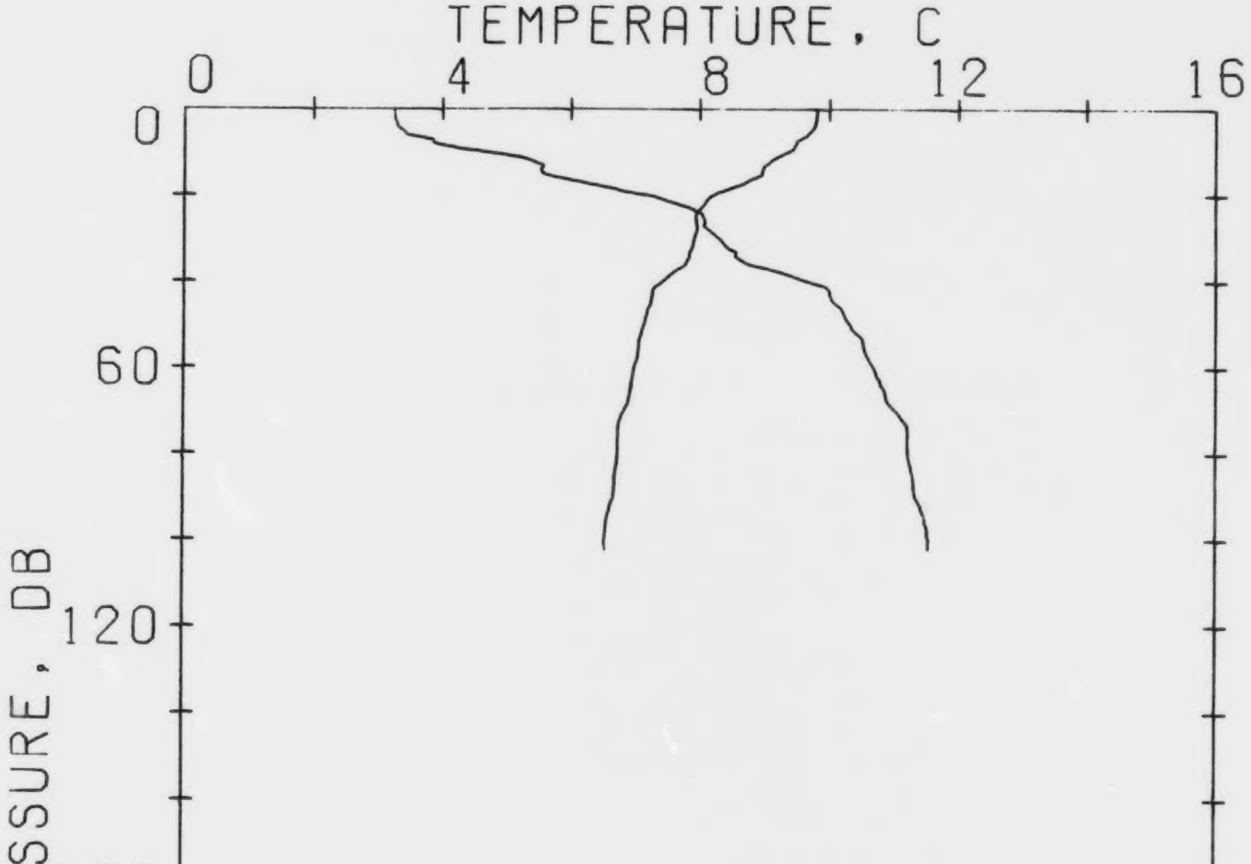
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  4          DATE 19/ 6/84
POSITION  48-31.2N, 124-40.2W   GMT 19.9       STATION P 3
RESULTS OF STP CAST   205 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D      EN
    0   10.46   31.81       0    24.41   352.9     .00     .00   1488.
   10   10.20   31.81      10    24.45   348.8     .35     .02   1487.
   20    9.53   31.84      20    24.59   335.8     .70     .07   1485.
   30    9.04   31.96      30    24.76   320.2    1.02     .15   1483.
   50    8.27   32.49      50    25.29   269.9    1.62     .40   1481.
   75    7.58   33.22      75    25.96   206.6    2.22     .77   1480.
  100    7.27   33.57      99    26.28   176.5    2.68    1.18   1480.
  125    6.87   33.75     124    26.47   158.5    3.10    1.66   1479.
  150    6.50   33.88     149    26.63   144.1    3.47    2.19   1478.
  175    6.33   33.92     174    26.68   139.0    3.83    2.77   1478.
  200    6.20   33.95     199    26.72   136.2    4.17    3.43   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 5
48-28.1 N 124-40.3 W
M0.-6 DAY-19 21.0

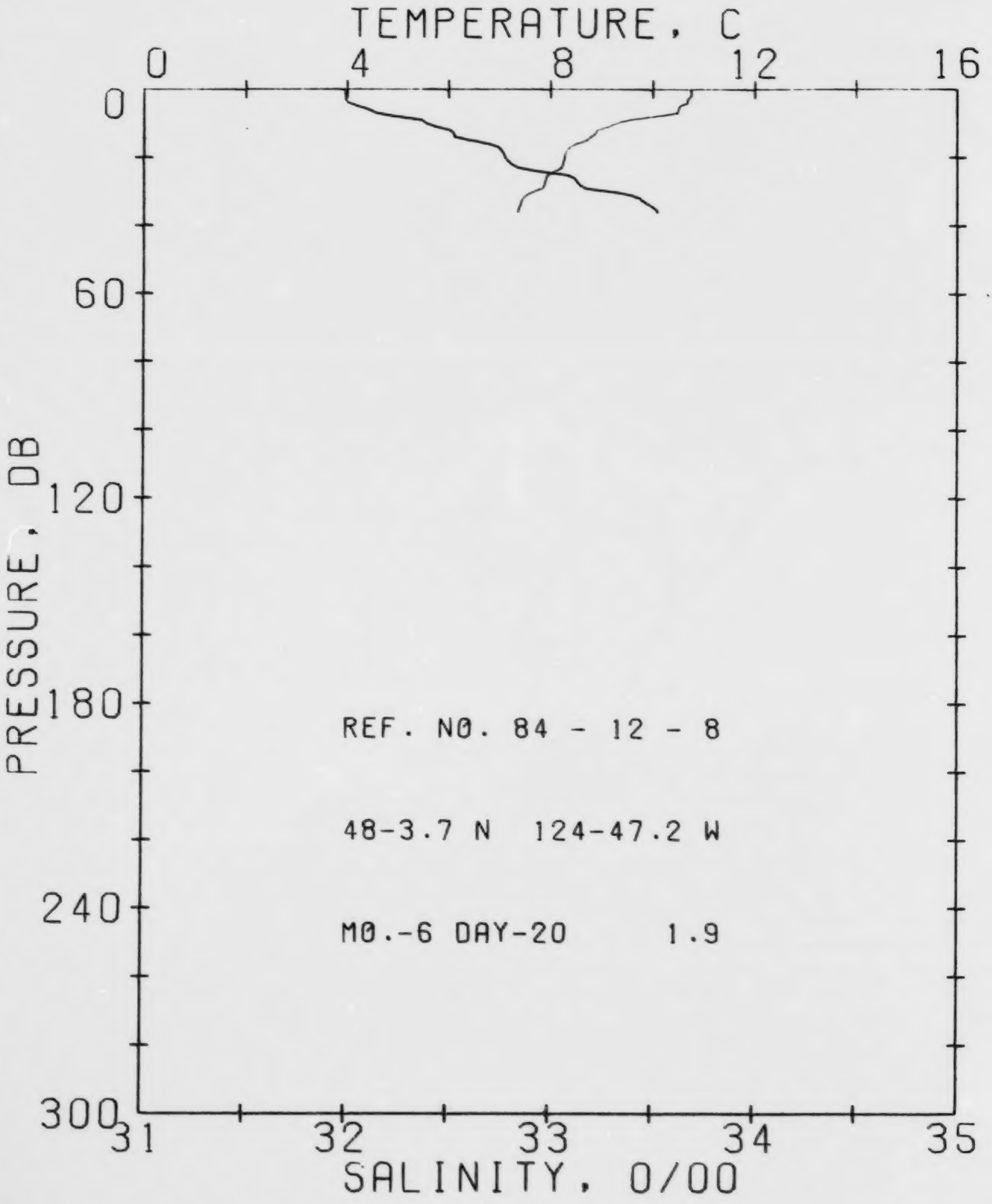
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  5          DATE 19/ 6/84
POSITION  48-28.1N, 124-40.3W   GMT 21.0       STATION P 4
RESULTS OF STP CAST   246 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                     T                D        EN
   0    10.05    31.79        0    24.47   347.5     .00      .00    1486.
  10     9.78    31.83       10    24.54   341.0     .35      .02    1486.
  20     9.26    31.94       20    24.71   325.1     .68      .07    1484.
  30     8.50    32.36       30    25.15   282.8     .99      .15    1482.
  50     7.51    33.30       50    26.03   199.5    1.46      .33    1480.
  75     7.26    33.60       75    26.30   174.0    1.92      .63    1479.
 100     7.05    33.72       99    26.43   162.6    2.34     1.00    1479.
 125     6.86    33.78      124    26.50   155.6    2.74     1.46    1479.
 150     6.51    33.88      149    26.63   144.0    3.11     1.98    1478.
 175     6.34    33.92      174    26.68   139.6    3.47     2.57    1478.
 200     6.27    33.94      199    26.70   137.4    3.81     3.23    1478.
 225     6.23    33.95      223    26.71   136.7    4.16     3.97    1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 6
48-26.5 N 124-40.3 W
MO.-6 DAY-19 21.6

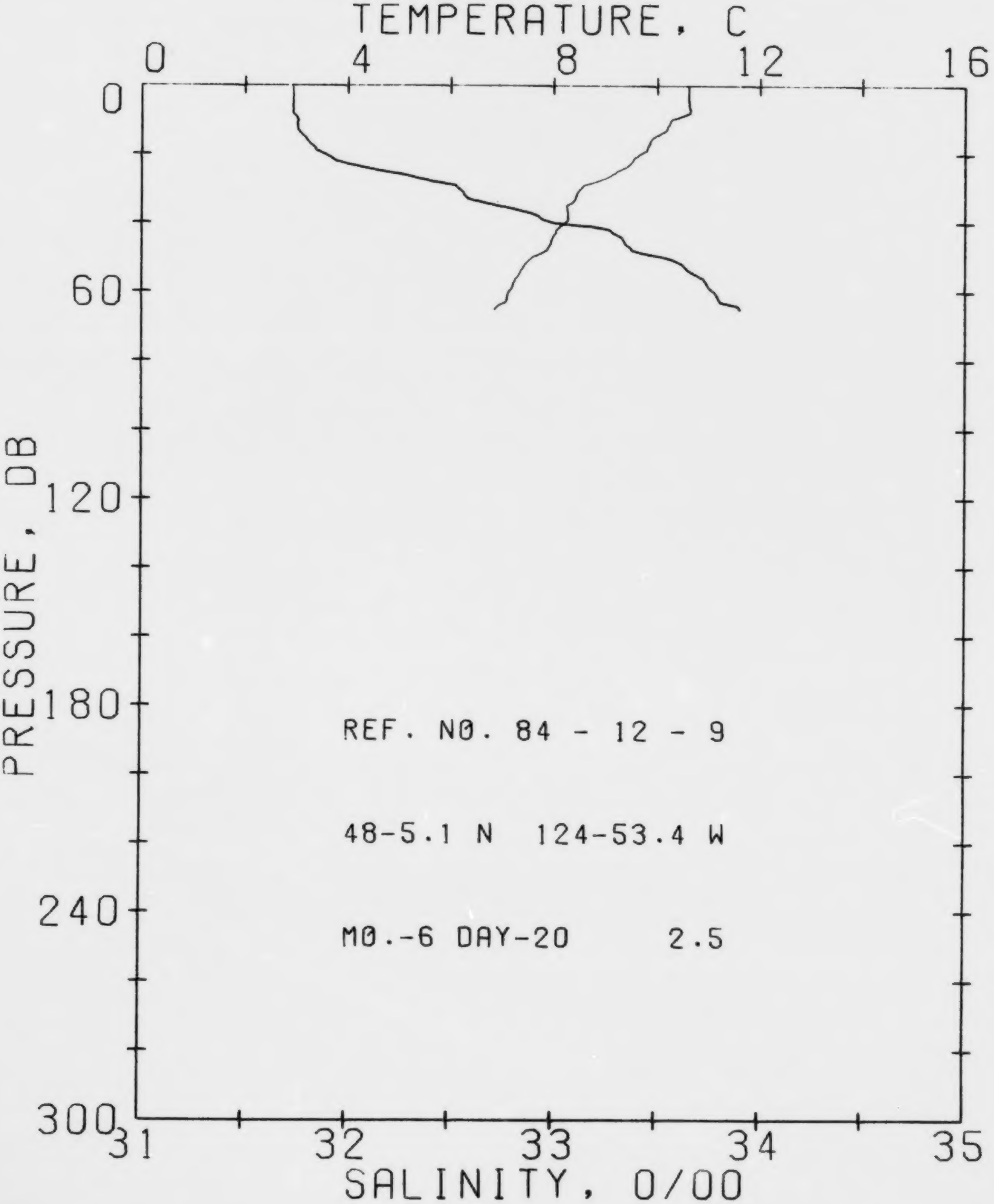
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  6          DATE 19/ 6/84
POSITION  48-26.5N, 124-40.3W   GMT 21.6       STATION P 5
RESULTS OF STP CAST   233 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   10.04   31.70       0    24.40   353.9     .00      .00  1486.
   10    9.76   31.77      10    24.50   344.7     .35      .02  1486.
   20    9.12   32.16      20    24.90   306.1     .68      .07  1484.
   30    8.74   32.35      30    25.11   286.6     .98      .14  1483.
   50    7.75   33.12      50    25.86   215.9    1.47      .34  1480.
   75    7.02   33.66      75    26.39   166.0    1.92      .63  1479.
  100    6.84   33.77      99    26.50   155.8    2.33      .99  1478.
  125    6.68   33.86     124    26.58   148.0    2.70     1.42  1478.
  150    6.47   33.90     149    26.65   142.3    3.07     1.93  1478.
  175    6.39   33.92     174    26.67   140.0    3.42     2.51  1478.
  200    6.29   33.94     199    26.70   137.9    3.77     3.18  1478.
  225    6.28   33.94     223    26.70   137.9    4.11     3.92  1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 7
48-25.0 N 124-40.4 W
MO.-6 DAY-19 21.9
31
32
33
34
35
SALINITY, 0/00

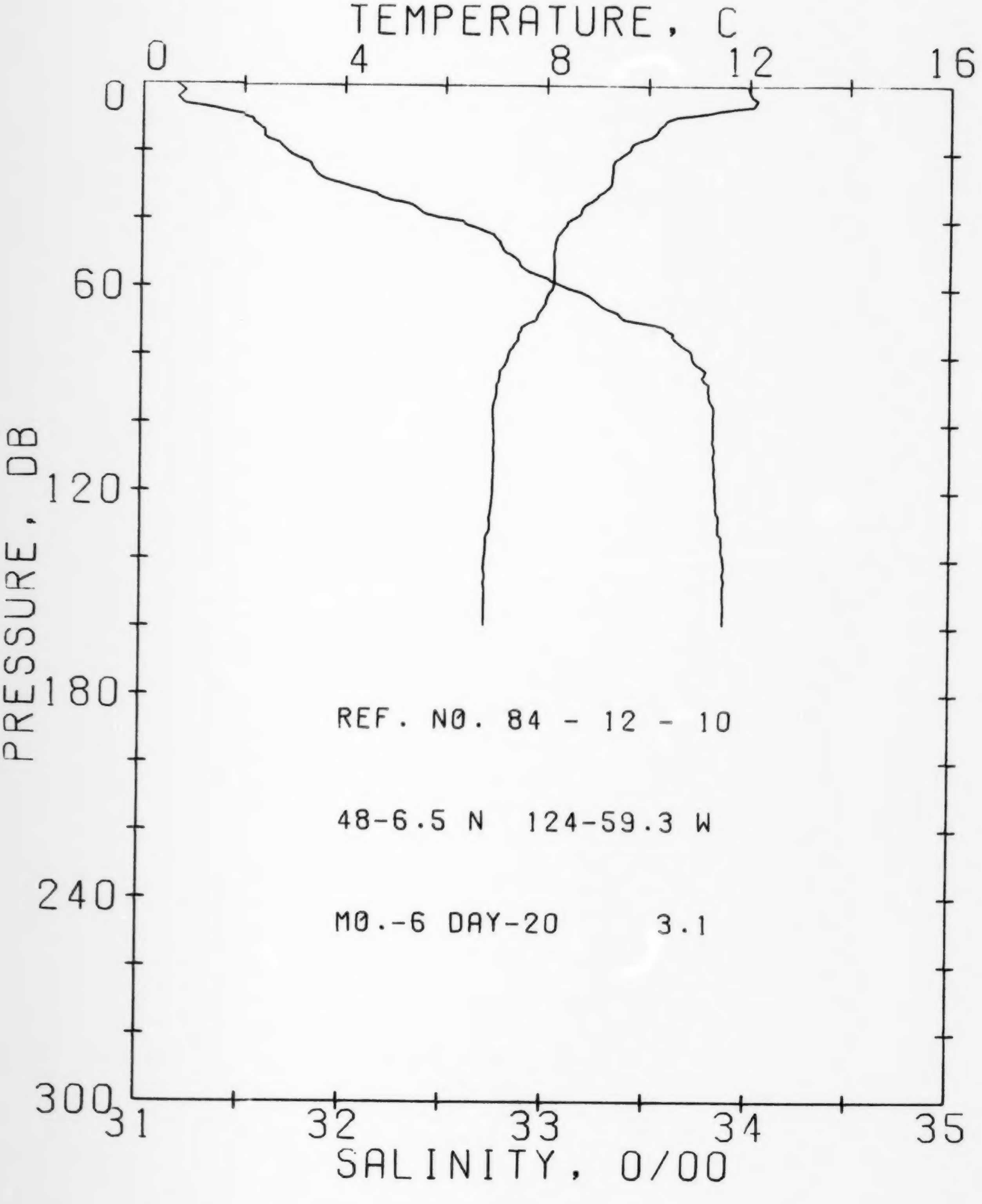
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  7          DATE 19/ 6/84
POSITION  48-25.0N, 124-40.4W   GMT 21.9       STATION P 6
RESULTS OF STP CAST   103 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA   SVA    DELTA    POT.   SOUND
                                    T              D      EN
    0    9.81   31.81        0    24.52  342.0     .00     .00   1486.
   10    9.33   32.19       10    24.89  307.0     .33     .02   1484.
   20    8.17   32.82       20    25.57  243.2     .61     .06   1481.
   30    7.91   33.08       30    25.80  220.8     .84     .12   1481.
   50    7.13   33.58       50    26.31  173.1    1.23     .27   1479.
   75    6.73   33.80       75    26.53  151.9    1.63     .53   1478.
  100    6.52   33.88       99    26.63  143.4    2.01     .86   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 8
48-3.7 N 124-47.2 W
MO.-6 DAY-20 1.9
31
32
33
34
35
SALINITY, 0/00

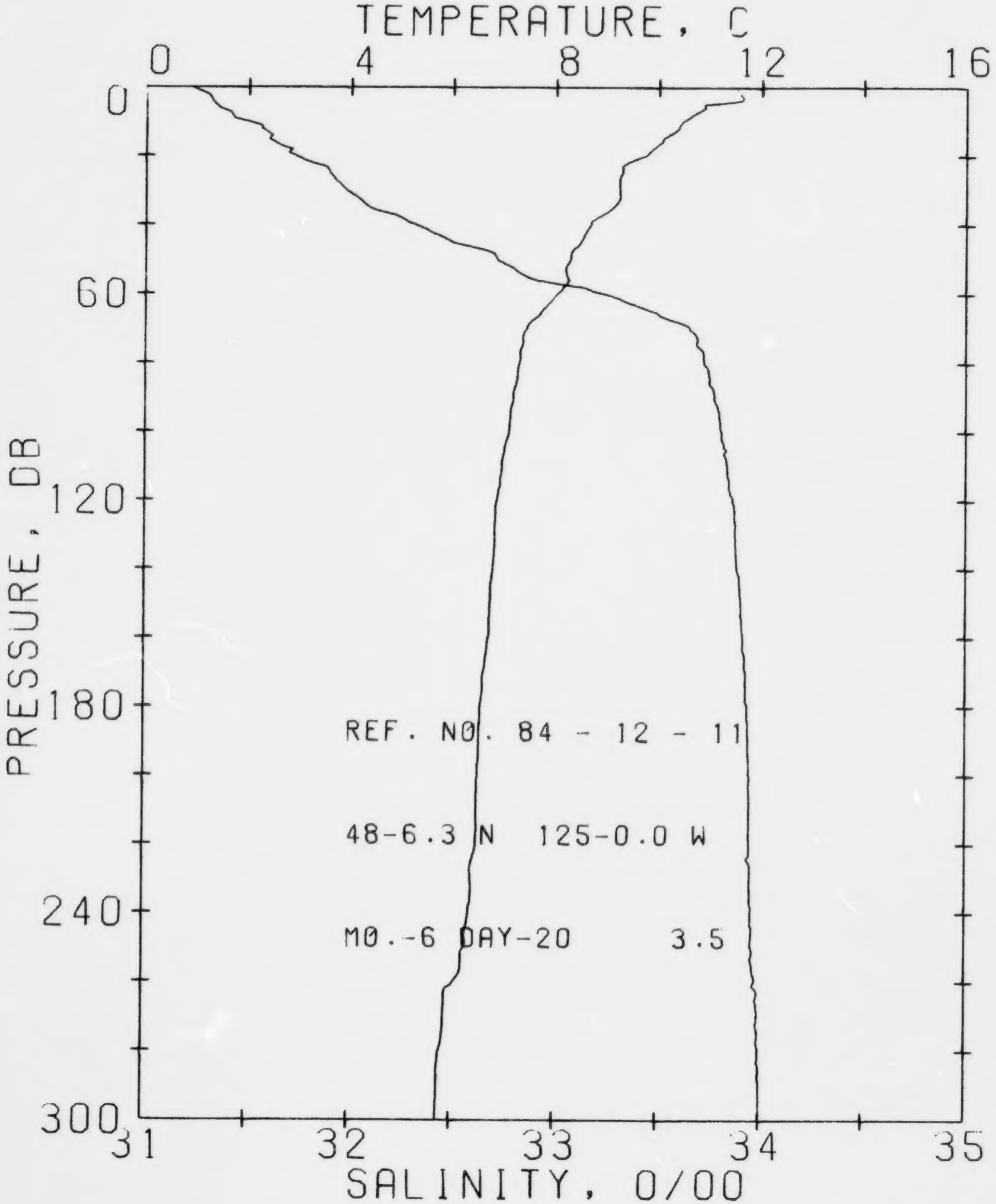
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  8        DATE 20/ 6/84
POSITION  48- 3.7N, 124-47.2W   GMT  1.9       STATION S 1
RESULTS OF STP CAST    37 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA     DELTA     POT.    SOUND
                                    T                 D        EN
   0    10.75    31.99       0    24.50    343.9      .00      .00    1489.
  10     9.26    32.39      10    25.06    291.1      .33      .02    1484.
  20     8.26    32.78      20    25.52    247.8      .59      .06    1481.
  30     7.65    33.30      30    26.02    200.4      .82      .11    1480.

PRES  DEPTH      TEMP     SAL         PRES  DEPTH       TEMP     SAL

  0.             10.75    31.99        19.              8.27    32.77
  1.             10.75    31.99        20.              8.26    32.78
  2.             10.75    31.99        21.              8.25    32.79
  3.             10.67    31.99        22.              8.23    32.81
  4.             10.67    32.01        23.              8.20    32.85
  5.             10.51    32.06        24.              8.08    32.94
  6.             10.49    32.11        25.              7.93    33.09
  7.             10.47    32.15        26.              7.89    33.12
  8.              9.99    32.25        27.              7.88    33.13
  9.              9.48    32.38        28.              7.87    33.14
 10.              9.26    32.39        29.              7.83    33.17
 11.              9.10    32.44        30.              7.65    33.30
 12.              8.89    32.51        31.              7.50    33.40
 13.              8.86    32.53        32.              7.44    33.44
 14.              8.77    32.53        33.              7.41    33.46
 15.              8.68    32.62        34.              7.39    33.49
 16.              8.48    32.71        35.              7.36    33.52
 17.              8.35    32.75        36.              7.35    33.52
 18.              8.29    32.76
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 9
48-5.1 N 124-53.4 W
M0.-6 DAY-20 2.5

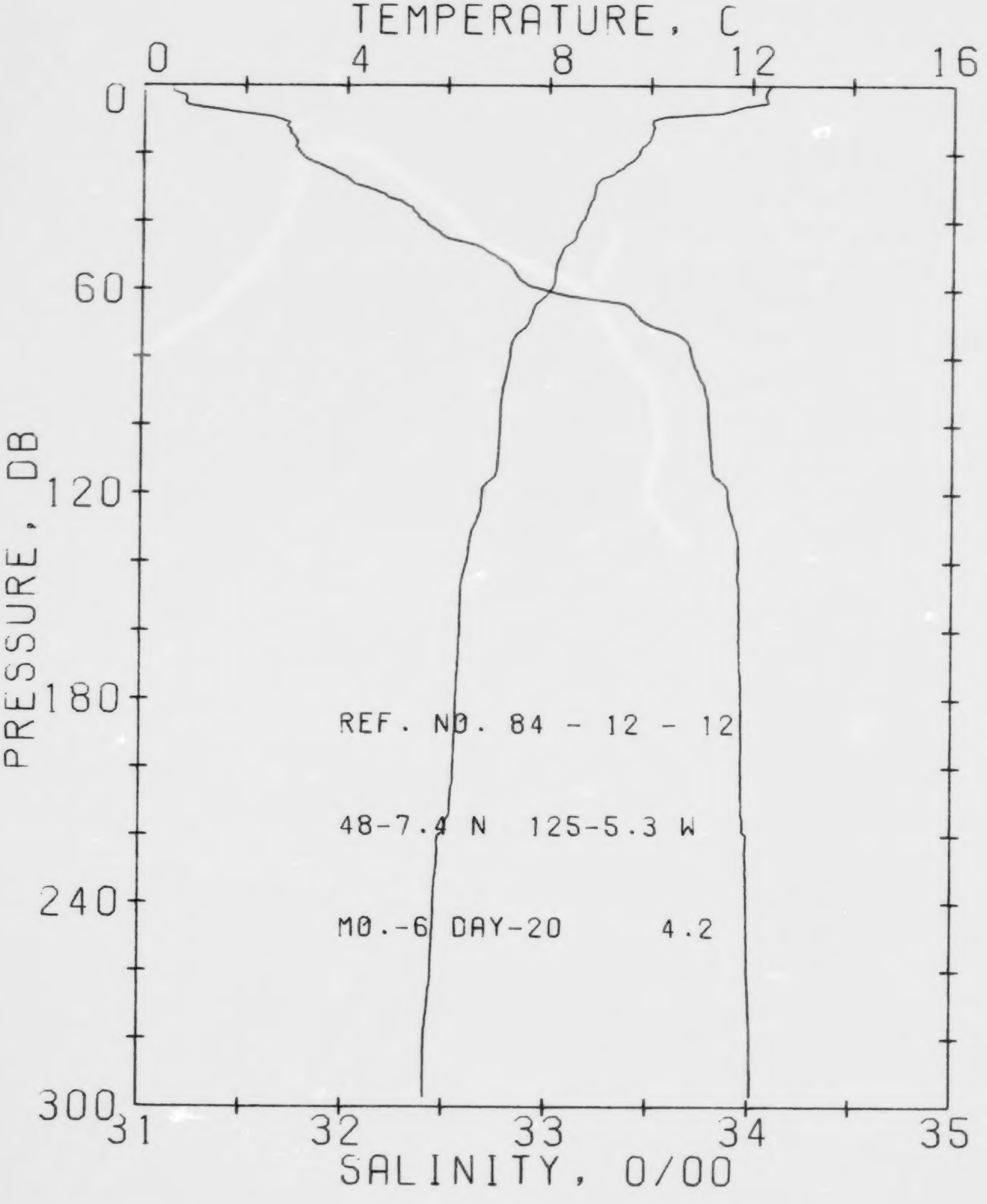
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-  9        DATE 20/ 6/84
POSITION  48- 5.1N, 124-53.4W   GMT  2.5      STATION S 2
RESULTS OF STP CAST    66 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    10.61    31.73      0    24.33   360.6     .00      .00   1488.
  10    10.25    31.76     10    24.41   353.1     .36      .02   1487.
  20     9.65    31.89     20    24.61   334.1     .71      .07   1485.
  30     8.51    32.54     30    25.29   269.2    1.01      .15   1482.
  50     7.56    33.55     50    26.22   181.5    1.46      .33   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 10
48-6.5 N 124-59.3 W
MO.-6 DAY-20 3.1

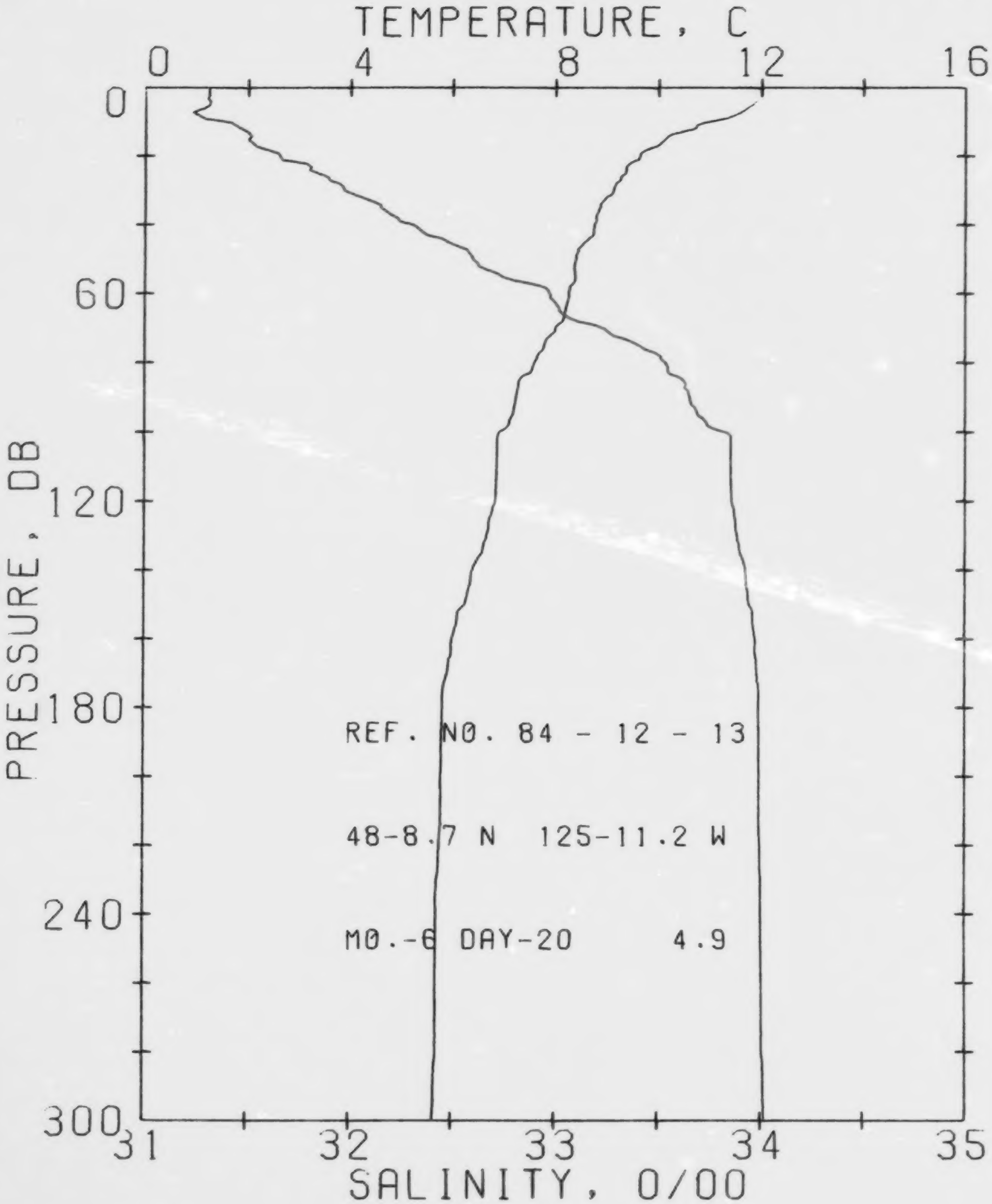
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 10          DATE 20/ 6/84
POSITION  48- 6.5N, 124-59.3W   GMT  3.1       STATION S 3
RESULTS OF STP CAST   160 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH     SIGMA    SVA     DELTA     POT.    SOUND
                                     T                D        EN
    0   11.97   31.17        0    23.65   425.2      .00       .00   1493.
   10   10.37   31.55       10    24.22   370.7      .41       .02   1487.
   20    9.54   31.73       20    24.50   344.8      .77       .08   1485.
   30    9.23   32.03       30    24.79   317.5     1.10       .16   1484.
   50    8.14   32.83       50    25.57   242.8     1.65       .38   1481.
   75    7.47   33.64       75    26.31   173.5     2.18       .71   1480.
  100    6.97   33.83       99    26.52   153.4     2.57      1.07   1479.
  125    6.93   33.84      124    26.54   152.3     2.96      1.50   1479.
  150    6.81   33.88      149    26.58   148.3     3.33      2.03   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 11
48-6.3 N 125-0.0 W
MO.-6 DAY-20 3.5

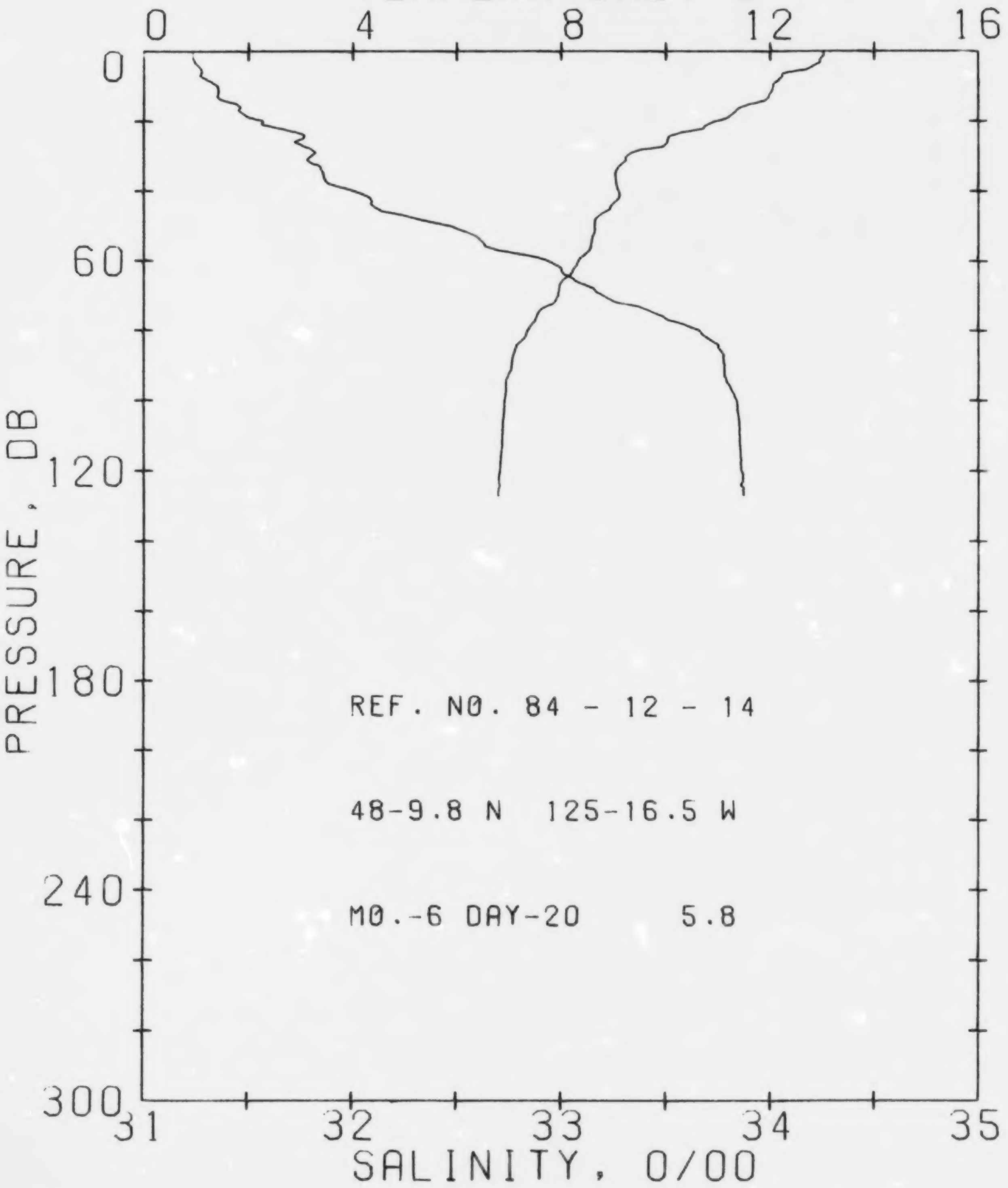
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 11         DATE 20/ 6/84
POSITION  48- 6.3N, 125-  .0W    GMT  3.5       STATION S3A
RESULTS OF STP CAST   304 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   11.52   31.23       0    23.78   413.4     .00      .00   1491.
   10   10.45   31.50      10    24.17   375.8     .40      .02   1488.
   20    9.74   31.73      20    24.47   347.5     .76      .07   1486.
   30    9.24   31.98      30    24.74   321.7    1.09      .16   1484.
   50    8.28   32.71      50    25.46   253.5    1.67      .39   1482.
   75    7.34   33.69      75    26.36   168.5    2.18      .71   1480.
  100    7.09   33.81      99    26.49   156.5    2.58     1.07   1479.
  125    6.83   33.87     124    26.57   148.9    2.96     1.51   1479.
  150    6.74   33.90     149    26.61   145.5    3.33     2.02   1479.
  175    6.61   33.93     174    26.65   142.2    3.69     2.62   1479.
  200    6.52   33.95     199    26.68   140.0    4.04     3.29   1479.
  225    6.41   33.95     223    26.69   139.0    4.39     4.05   1479.
  250    6.27   33.96     248    26.72   136.7    4.74     4.89   1479.
  300    5.74   34.00     298    26.82   127.6    5.39     6.71   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 12
48-7.4 N 125-5.3 W
MO.-6 DAY-20 4.2
31
32
33
34
35
SALINITY, 0/00

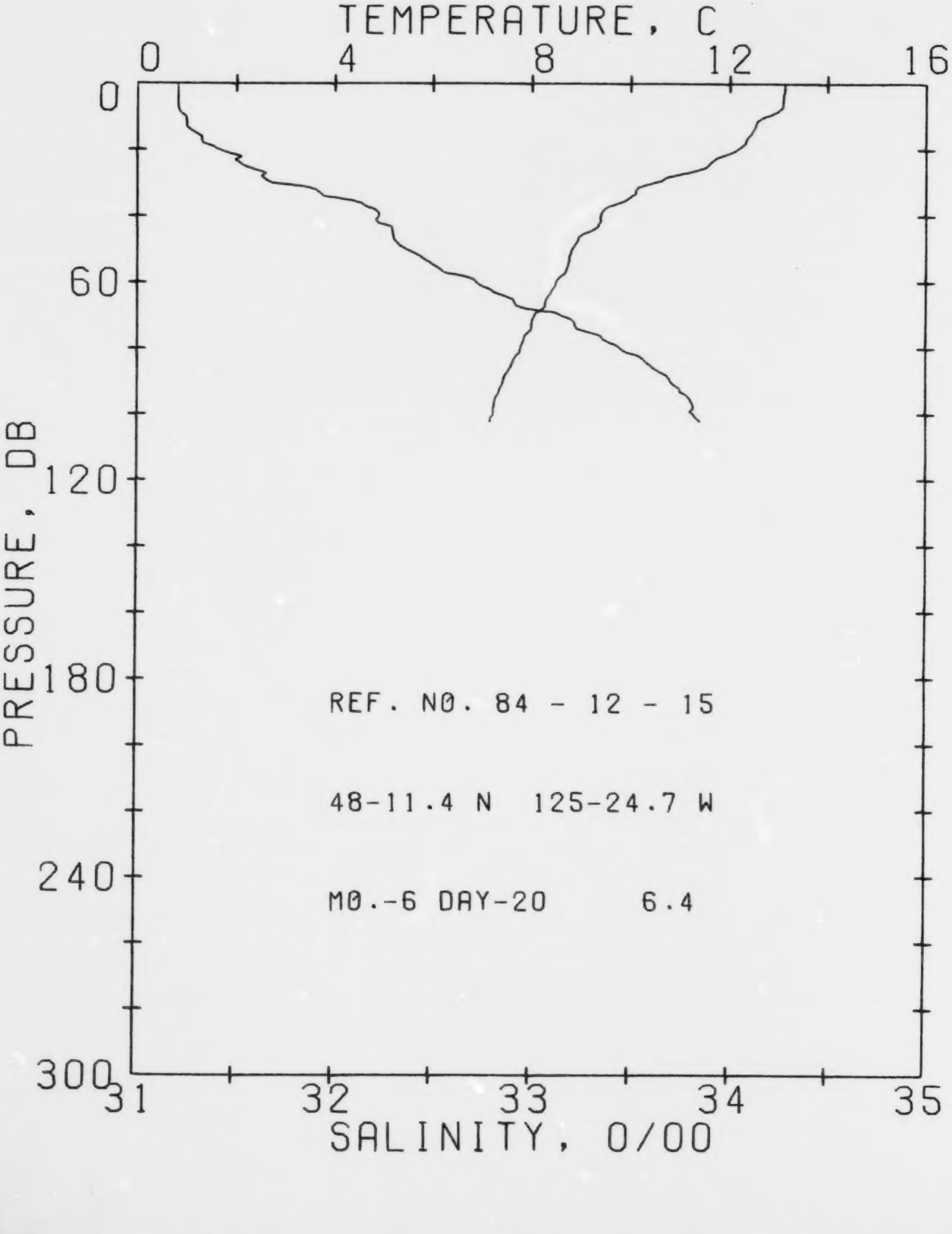
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 12          DATE 20/ 6/84
POSITION  49- 7.4N, 125- 5.3W   GMT  4.2        STATION S 4
RESULTS OF STP CAST   298 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   12.37   31.14       0    23.56   434.4     .00     .00   1494.
   10   10.04   31.68      10    24.38   355.9     .41     .02   1486.
   20    9.78   31.78      20    24.50   344.7     .76     .07   1486.
   30    8.92   32.11      30    24.89   307.5    1.09     .16   1483.
   50    8.23   32.74      50    25.49   250.8    1.65     .38   1482.
   75    7.30   33.68      75    26.36   168.3    2.18     .72   1480.
  100    7.08   33.79      99    26.48   157.4    2.59    1.08   1479.
  125    6.70   33.90     124    26.62   144.8    2.97    1.51   1478.
  150    6.32   33.95     149    26.70   136.8    3.32    2.00   1477.
  175    6.25   33.96     174    26.72   135.4    3.66    2.57   1478.
  200    6.19   33.96     199    26.73   134.7    4.00    3.21   1478.
  225    5.90   33.98     223    26.78   130.1    4.33    3.93   1477.
  250    5.79   33.99     248    26.81   128.1    4.65    4.71   1477.
  300    5.64   34.01     298    26.84   125.8    5.28    6.49   1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 13
48-8.7 N 125-11.2 W
MO.-6 DAY-20 4.9

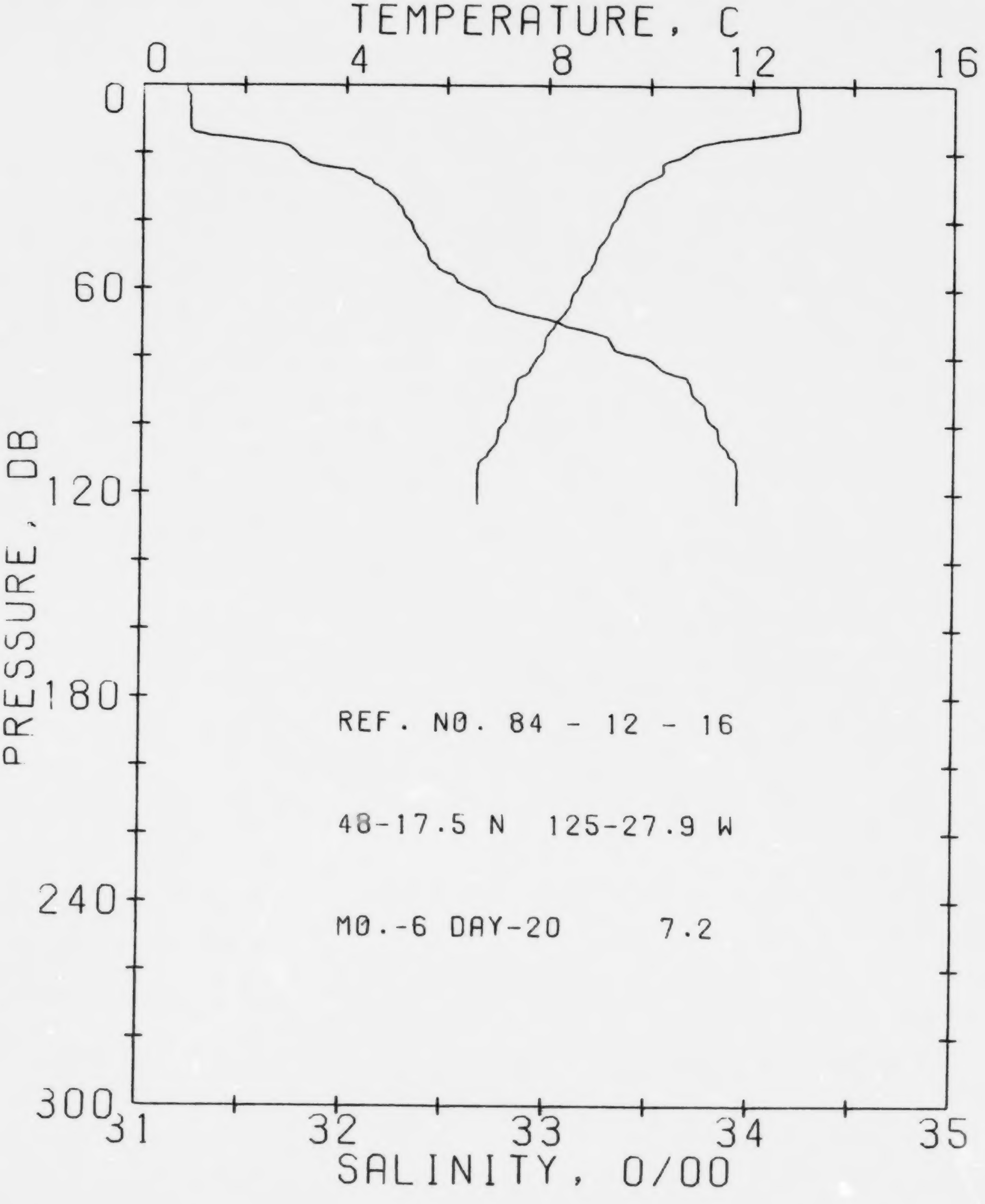
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 13          DATE 20/ 6/84
POSITION  48- 8.7N, 125-11.2W   GMT  4.9       STATION S 5
RESULTS OF STP CAST   302 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
    0   12.00   31.31       0    23.75   415.5     .00      .00   1493.
   10   10.95   31.41      10    24.02   390.2     .41      .02   1489.
   20    9.62   31.65      20    24.43   351.4     .78      .08   1485.
   30    9.11   31.97      30    24.76   320.4    1.11      .16   1484.
   50    8.40   32.60      50    25.35   263.7    1.69      .40   1482.
   75    7.77   33.41      75    26.08   195.1    2.27      .76   1481.
  100    6.90   33.84      99    26.54   152.0    2.71     1.15   1479.
  125    6.71   33.88     124    26.59   147.0    3.08     1.58   1478.
  150    6.25   33.94     149    26.71   136.5    3.44     2.07   1477.
  175    5.82   33.99     174    26.80   127.6    3.77     2.62   1476.
  200    5.79   34.00     199    26.81   127.3    4.08     3.23   1476.
  225    5.75   34.00     223    26.82   127.0    4.40     3.92   1476.
  250    5.70   34.00     248    26.83   126.2    4.72     4.68   1477.
  300    5.63   34.01     298    26.84   125.2    5.35     6.45   1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 14
48-9.8 N 125-16.5 W
MO.-6 DAY-20 5.8

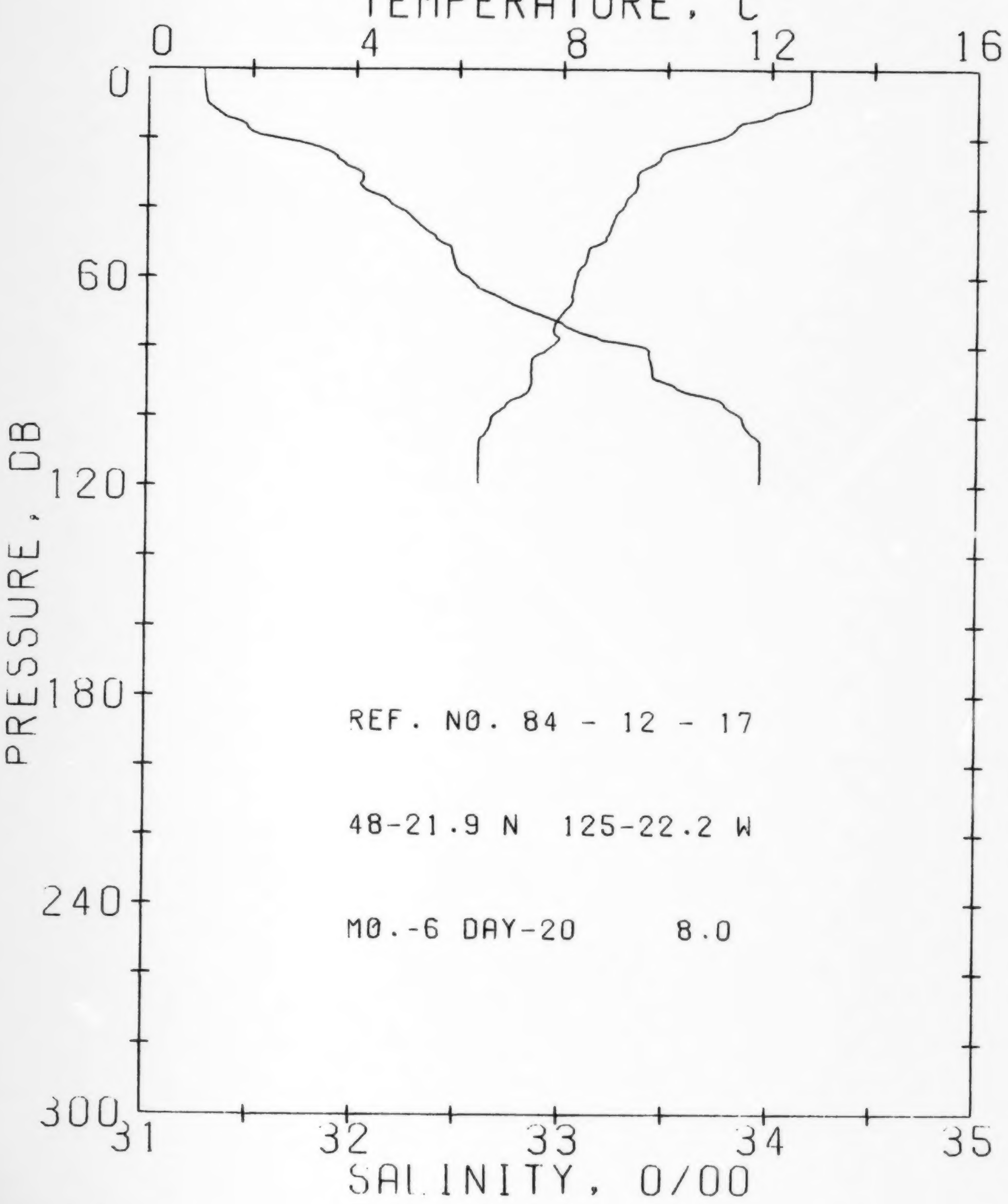
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 14          DATE 20/ 6/84
POSITION  48- 9.8N, 125-16.5W   GMT  5.8      STATION S 6
RESULTS OF STP CAST   128 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH    SIGMA    SVA     DELTA    POT.   SOUND
                                   T                 D       EN
    0   13.04   31.24       0    23.50   439.7      .00      .00  1496.
   10   12.07   31.35      10    23.78   413.6      .43      .02  1493.
   20   10.92   31.57      20    24.15   378.1      .83      .08  1490.
   30    9.24   31.80      30    24.60   334.8     1.18      .17  1484.
   50    8.63   32.47      50    25.22   276.4     1.81      .43  1483.
   75    7.56   33.45      75    26.15   189.0     2.40      .80  1480.
  100    6.92   33.84      99    26.54   151.7     2.81     1.16  1479.
  125    6.81   33.88     124    26.58   148.1     3.18     1.59  1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 15
48-11.4 N 125-24.7 W
MO.-6 DAY-20 6.4

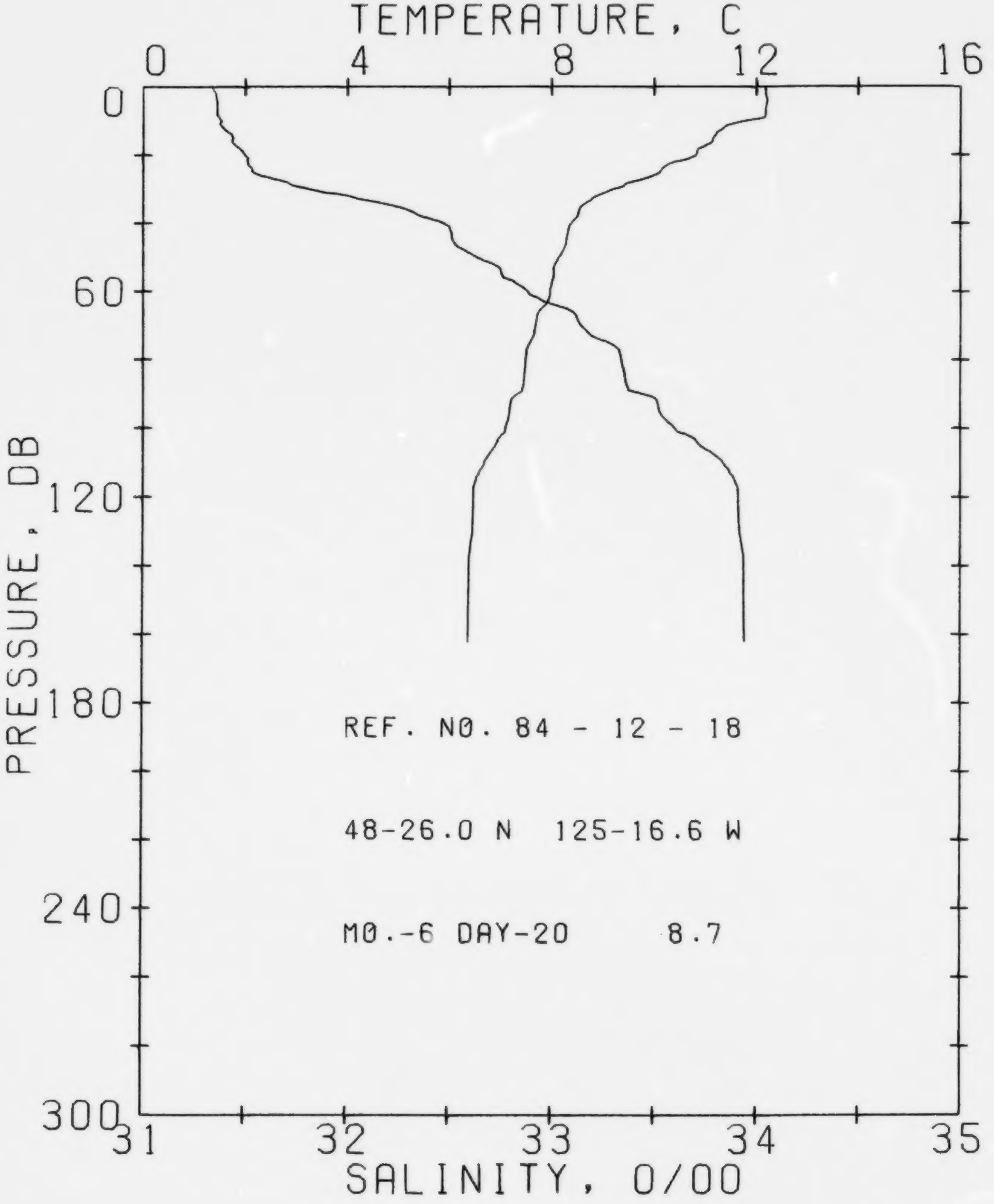
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 15          DATE 20/ 6/84
POSITION  48-11.4N, 125-24.7W   GMT  6.4       STATION S 7
RESULTS OF STP CAST   103 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T                D       EN
   0    13.13    31.21      0    23.46   443.7     .00      .00   1497.
  10    12.69    31.25     10    23.58   432.6     .44      .02   1495.
  20    12.14    31.41     20    23.81   410.8     .87      .09   1494.
  30    10.41    31.68     30    24.32   361.8    1.25      .19   1488.
  50     8.82    32.37     50    25.11   286.9    1.88      .44   1483.
  75     7.92    33.30     75    25.97   205.4    2.50      .83   1482.
 100     7.23    33.82     99    26.48   157.5    2.93     1.22   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 16
48-17.5 N 125-27.9 W
MO.-6 DAY-20 7.2

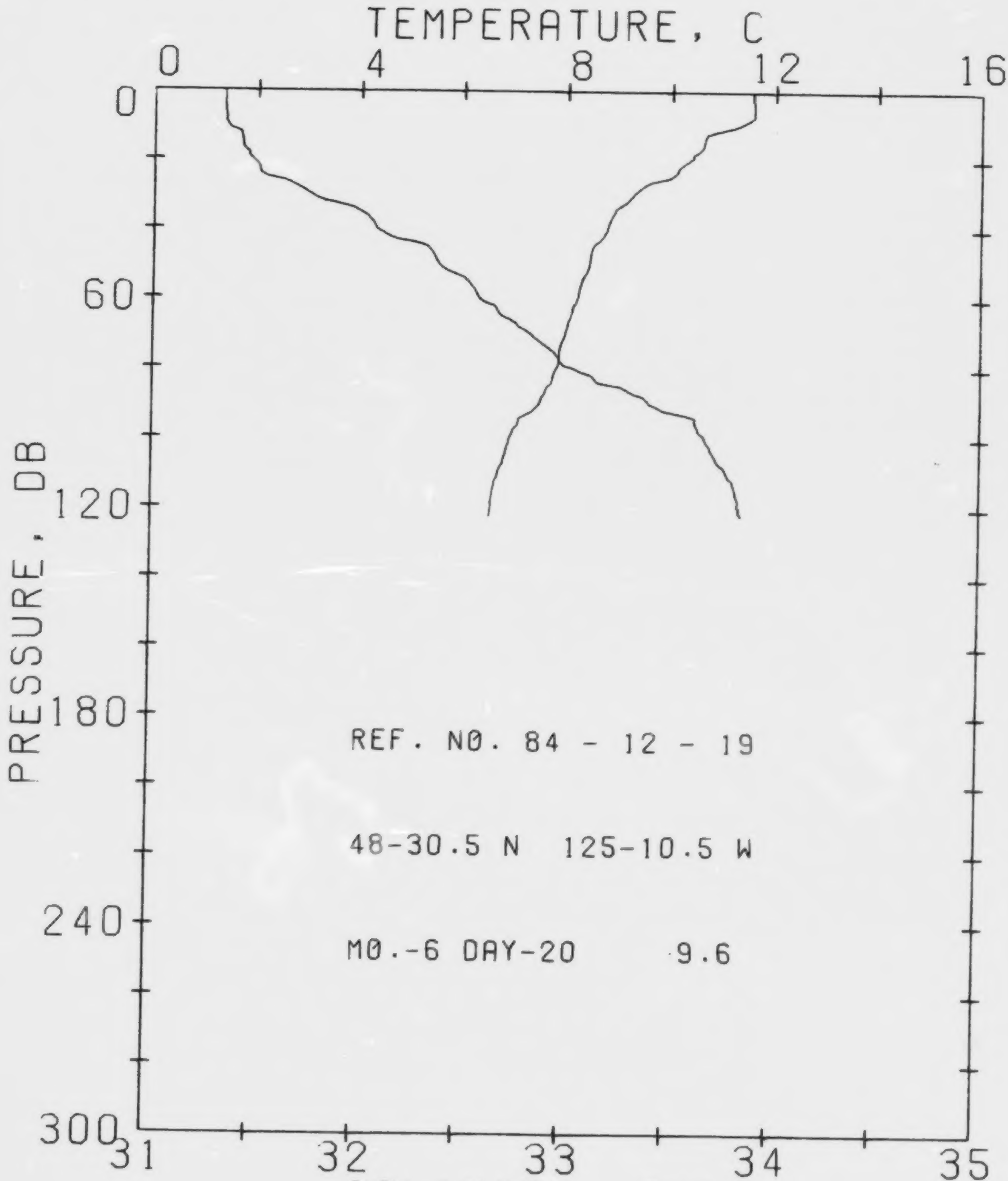
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 16          DATE 20/ 6/84
POSITION  48-17.5N, 125-27.9W   GMT  7.2       STATION B 7
RESULTS OF STP CAST   124 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.88   31.22       0    23.51   438.3     .00     .00   1496.
   10   12.93   31.23      10    23.52   438.2     .44     .02   1496.
   20   10.70   31.76      20    24.33   360.5     .84     .08   1489.
   30    9.71   32.17      30    24.82   314.6    1.18     .17   1486.
   50    8.94   32.41      50    25.13   285.5    1.78     .41   1484.
   75    7.95   33.30      75    25.97   205.4    2.41     .81   1482.
  100    7.11   33.82      99    26.49   156.1    2.85    1.20   1480.
  125    6.63   33.93     124    26.65   141.7    3.22    1.62   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 17
48-21.9 N 125-22.2 W
MO.-6 DAY-20 8.0
31
32
33
34
35
SALINITY, 0/00

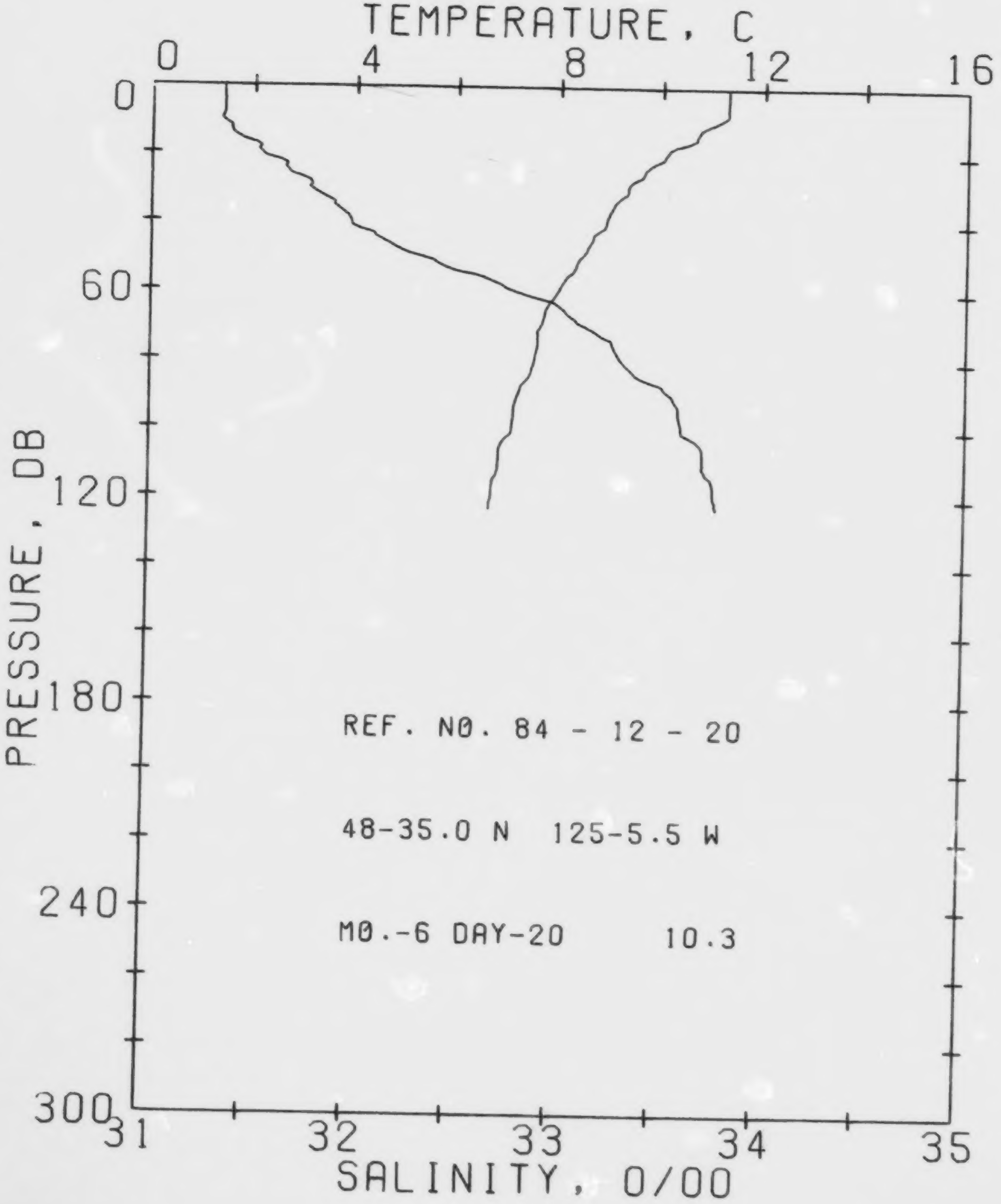
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 17         DATE 20/ 6/84
POSITION  48-21.9N, 125-22.2W   GMT  8.0       STATION B 6
RESULTS OF STP CAST   120 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    12.77    31.27      0    23.58   432.2     .00     .00   1495.
  10    12.63    31.29     10    23.62   428.5     .43     .02   1495.
  20    10.94    31.63     20    24.19   374.0     .83     .08   1490.
  30     9.43    32.04     30    24.76   320.3    1.17     .17   1485.
  50     8.74    32.42     50    25.16   281.8    1.78     .42   1483.
  75     7.82    33.06     75    25.80   221.9    2.42     .82   1481.
 100     6.65    33.87     99    26.60   146.5    2.88    1.23   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 18
48-26.0 N 125-16.6 W
M0.-6 DAY-20 8.7

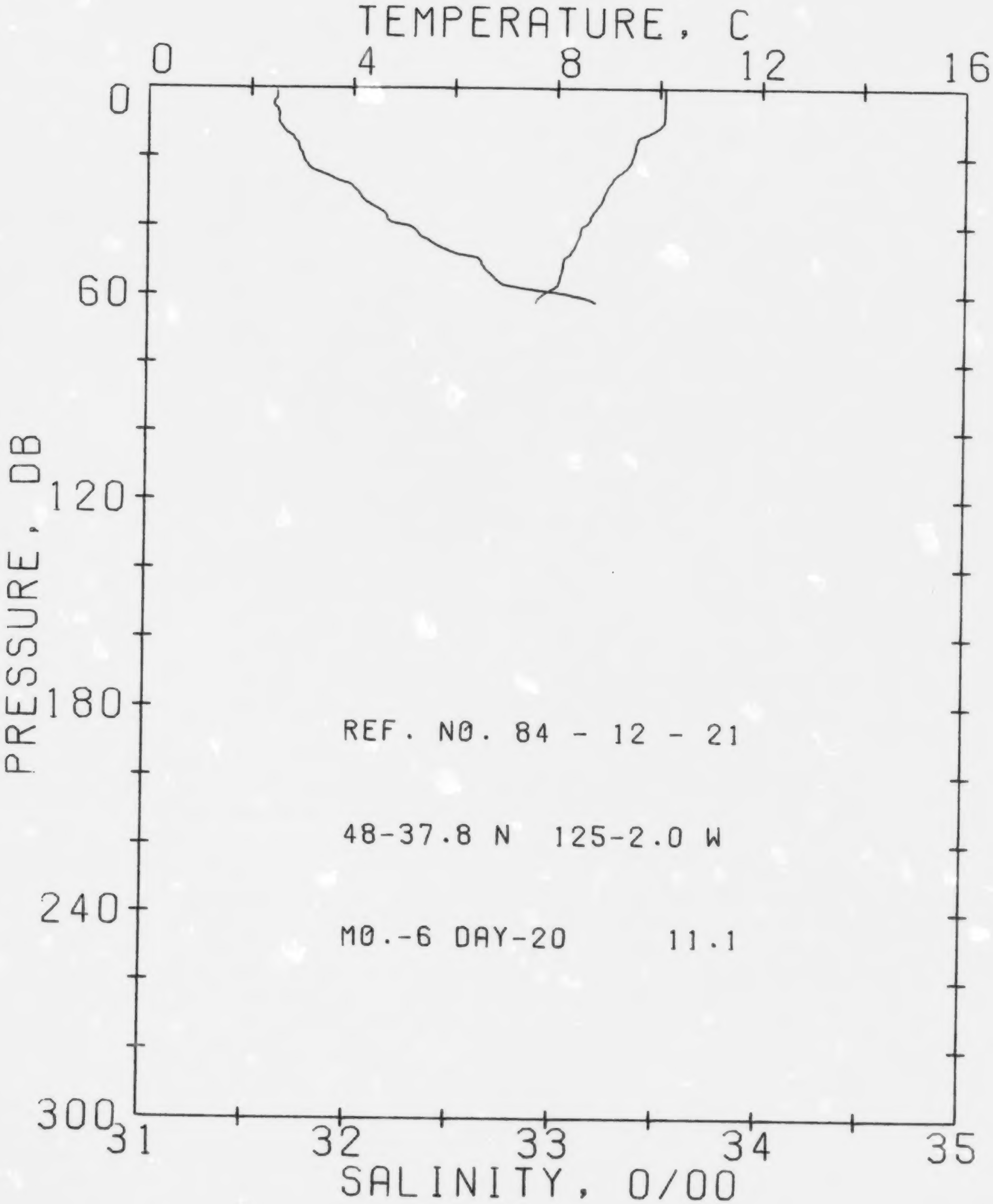
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 18         DATE 20/ 6/84
POSITION  48-26.0N, 125-16.6W   GMT  8.7       STATION B 5
RESULTS OF STP CAST   163 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
    0   12.19   31.34       0    23.75   416.2     .00     .00   1494.
   10   11.72   31.39      10    23.86   405.2     .41     .02   1492.
   20   10.82   31.50      20    24.11   381.9     .81     .08   1489.
   30    9.17   31.81      30    24.62   332.9    1.17     .17   1484.
   50    8.14   32.64      50    25.42   257.2    1.73     .40   1481.
   75    7.57   33.28      75    26.01   201.7    2.31     .76   1480.
  100    7.11   33.60      99    26.33   172.2    2.78    1.18   1479.
  125    6.47   33.91     124    26.66   140.9    3.15    1.61   1478.
  150    6.38   33.94     149    26.69   138.2    3.50    2.10   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 19
48-30.5 N 125-10.5 W
MO.-6 DAY-20 9.6

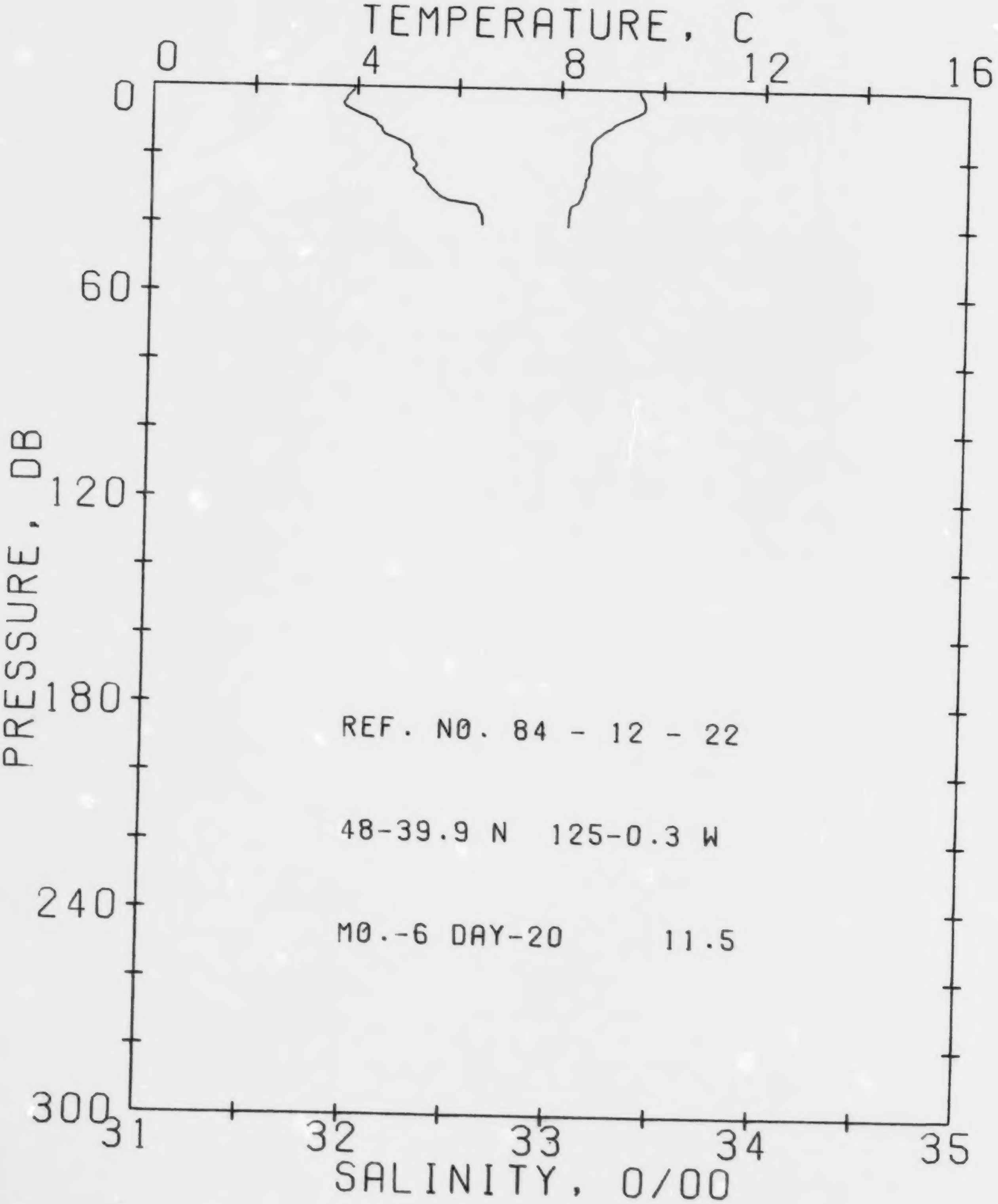
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 19          DATE 20/ 6/84
POSITION  48-30.5N, 125-10.5W   GMT  9.6      STATION B 4
RESULTS OF STP CAST   123 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                   T                 D       EN
   0   11.56   31.34       0    23.86   405.6      .00      .00  1491.
  10   11.23   31.36      10    23.93   399.1      .41      .02  1490.
  20   10.32   31.48      20    24.18   375.5      .79      .08  1487.
  30    9.26   31.76      30    24.57   338.2     1.15      .17  1484.
  50    8.43   32.38      50    25.18   280.2     1.76      .42  1482.
  75    7.87   32.94      75    25.70   231.4     2.40      .82  1481.
 100    6.90   33.67      99    26.41   164.3     2.89     1.26  1479.
 125    6.46   33.88     124    26.63   143.1     3.27     1.70  1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 20
48-35.0 N 125-5.5 W
M0.-6 DAY-20 10.3

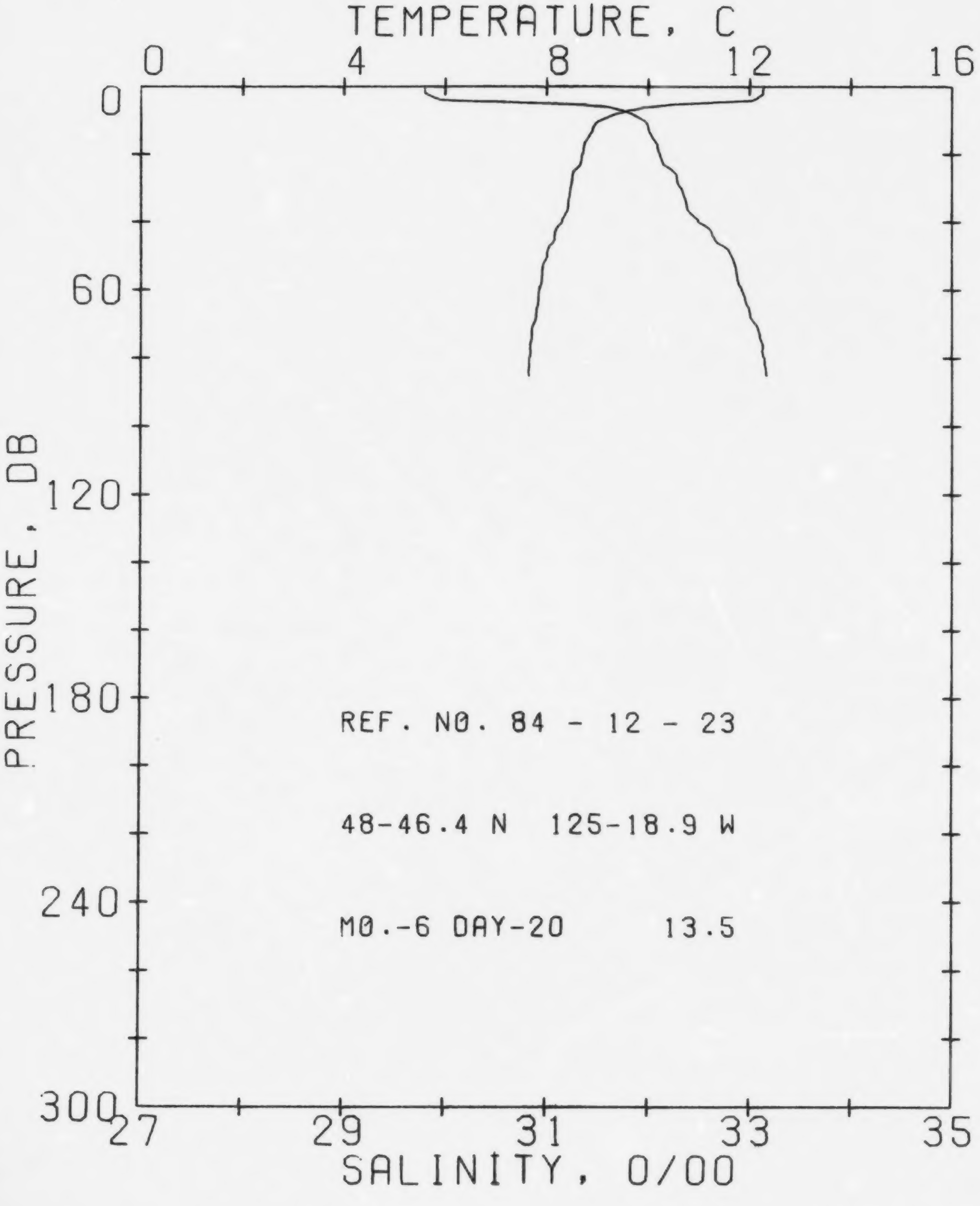
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 20          DATE 20/ 6/84
POSITION  48-35.0N, 125- 5.5W   GMT 10.3       STATION B 3
RESULTS OF STP CAST   124 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                   T                D       EN
   0    11.29    31.35       0   23.91   400.2     .00      .00   1490.
  10    11.07    31.34      10   23.94   397.7     .40      .02   1490.
  20    10.06    31.54      20   24.27   366.6     .78      .08   1487.
  30     9.34    31.77      30   24.57   338.5    1.13      .17   1484.
  50     8.41    32.34      50   25.15   282.8    1.76      .42   1482.
  75     7.61    33.26      75   25.99   203.6    2.35      .79   1480.
 100     7.12    33.60      99   26.33   172.1    2.81     1.20   1479.
 125     6.65    33.80     124   26.54   151.9    3.22     1.67   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
SALINITY, 0/00
31
32
33
34
35
REF. NO. 84 - 12 - 21
48-37.8 N 125-2.0 W
MO.-6 DAY-20 11.1

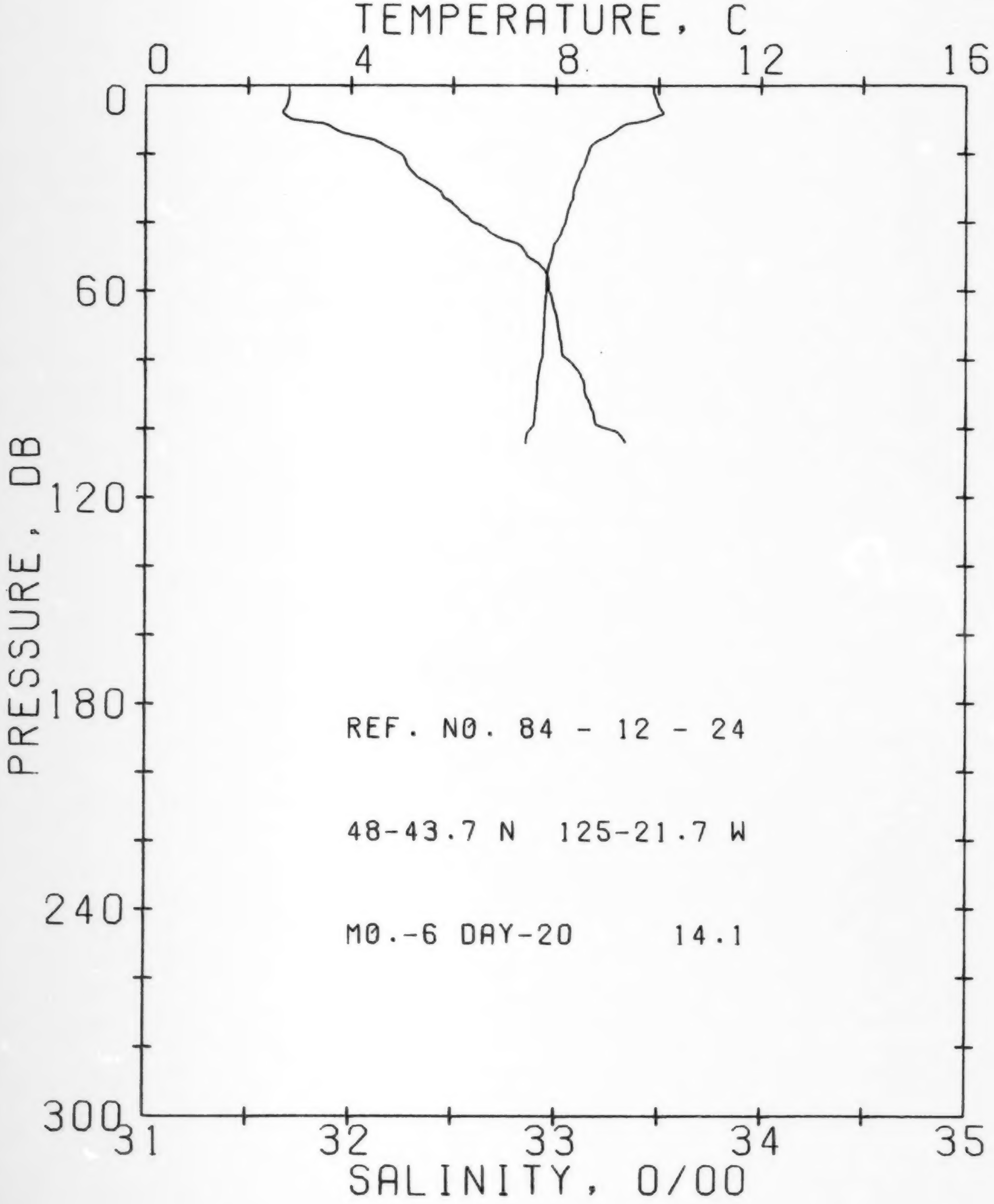
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 21          DATE 20/ 6/84
POSITION  48-37.8N, 125- 2.0W   GMT 11.1      STATION B 2
RESULTS OF STP CAST     63 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA   DELTA    POT.   SOUND
                                   T              D       EN
   0    10.10   31.63       0    24.33  360.5     .00     .00   1486.
  10    10.08   31.64      10    24.34  359.7     .36     .02   1487.
  20     9.48   31.76      20    24.53  341.4     .71     .07   1485.
  30     8.95   32.03      30    24.83  313.8    1.04     .15   1483.
  50     8.14   32.63      50    25.42  257.4    1.62     .39   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 22
48-39.9 N 125-0.3 W
MO.-6 DAY-20 11.5

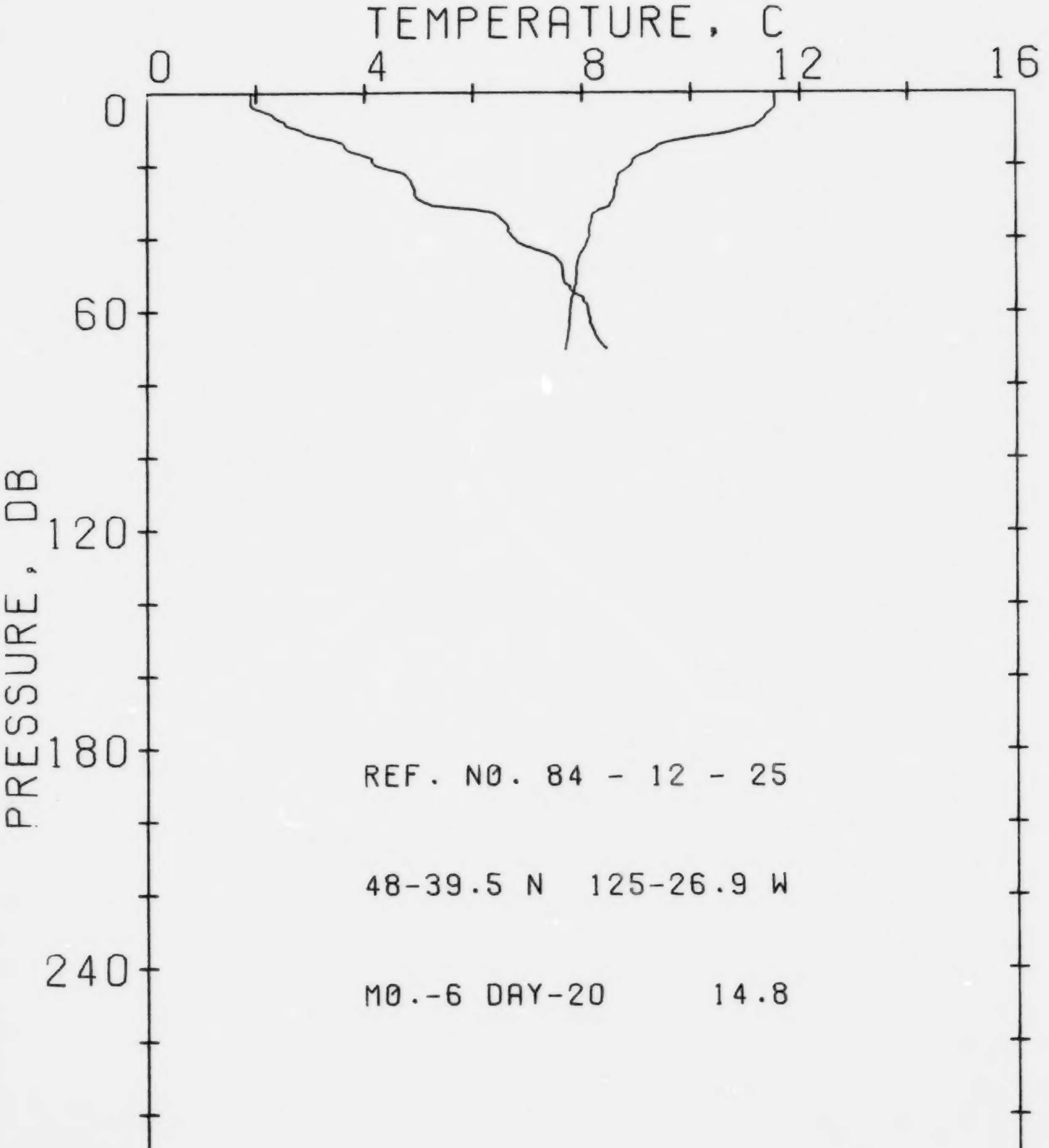
```
OFFSHORE OCEANOGRAPHY GROUP
REFFRENCE NO. 84-12- 22          DATE 20/ 6/84
POSITION  48-39.9N, 125-  .3W   GMT 11.5       STATION B 1
RESULTS OF STP CAST    41 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D       EN
   0     9.53    31.98       0    24.70   325.1     .00       .00   1485.
  10     9.08    32.09      10    24.86   310.4     .33       .02   1483.
  20     8.60    32.27      20    25.07   290.3     .62       .06   1482.
  30     8.45    32.38      30    25.18   280.4     .91       .13   1482.

PRES  DEPTH        TEMP      SAL        PRES  DEPTH       TEMP      SAL

  0.               9.53    31.98         21.              8.61    32.27
  1.               9.53    31.98         22.              8.58    32.29
  2.               9.57    31.97         23.              8.56    32.30
  3.               9.62    31.95         24.              8.57    32.28
  4.               9.64    31.94         25.              8.56    32.29
  5.               9.66    31.93         26.              8.51    32.33
  6.               9.63    31.94         27.              8.48    32.34
  7.               9.52    31.98         28.              8.50    32.35
  8.               9.38    32.01         29.              8.46    32.36
  9.               9.21    32.06         30.              8.45    32.38
 10.               9.08    32.09         31.              8.43    32.40
 11.               9.01    32.10         32.              8.41    32.42
 12.               8.87    32.12         33.              8.37    32.46
 13.               8.80    32.13         34.              8.22    32.59
 14.               8.71    32.14         35.              8.20    32.61
 15.               8.64    32.19         36.              8.20    32.61
 16.               8.61    32.23         37.              8.18    32.62
 17.               8.61    32.26         38.              8.18    32.62
 18.               8.59    32.27         39.              8.18    32.62
 19.               8.59    32.27         40.              8.18    32.62
 20.               8.60    32.27
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
27
29
31
33
35
SALINITY, 0/00
REF. N0. 84 - 12 - 23
48-46.4 N 125-18.9 W
M0.-6 DAY-20 13.5

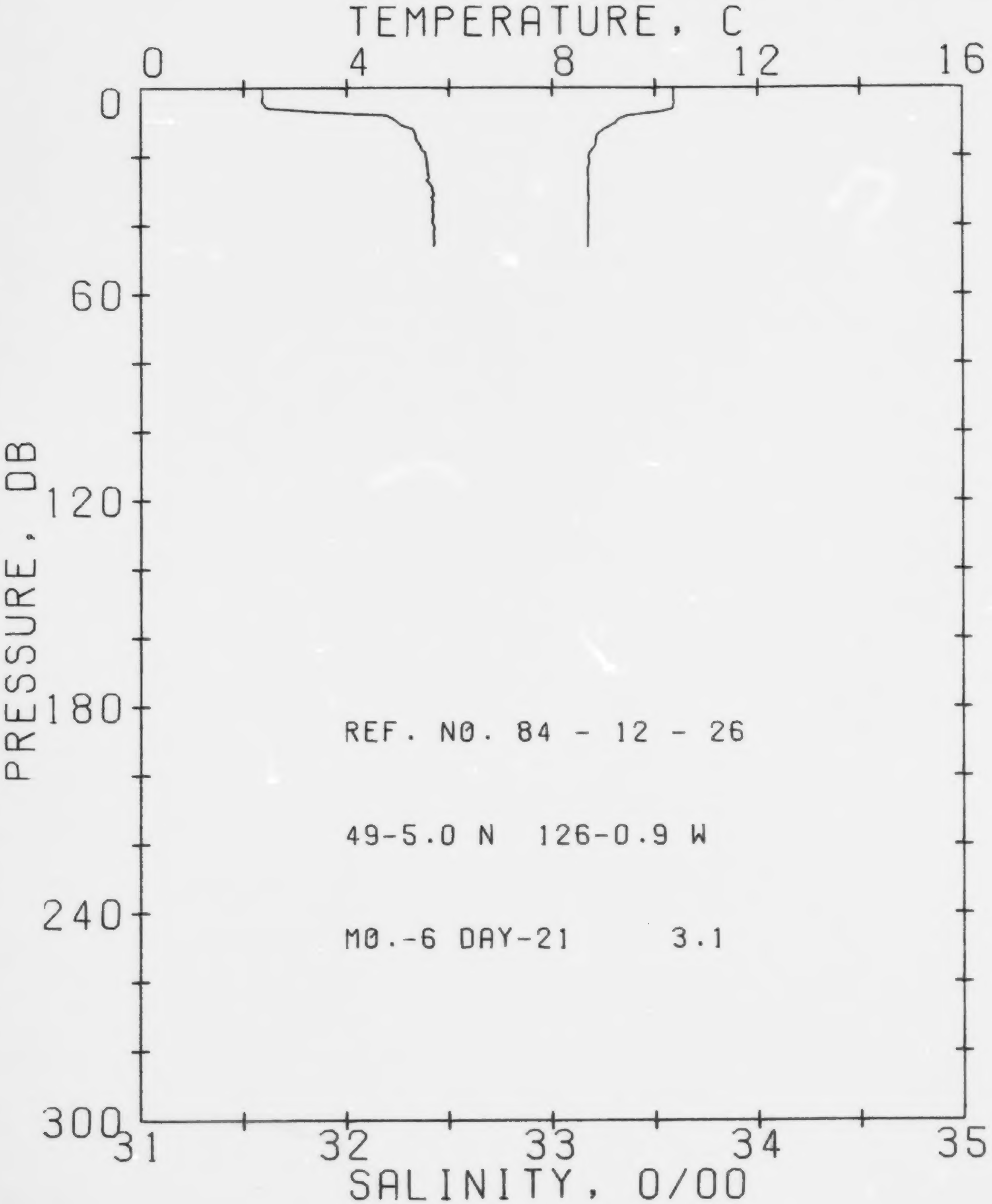
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 23          DATE 20/ 6/84
POSITION  48-46.4N, 125-18.9W   GMT 13.5       STATION C 1
RESULTS OF STP CAST     86 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA    POT.    SOUND
                                    T                D       EN
    0   12.28   29.80       0    22.54   531.5     .00      .00   1492.
   10    9.03   31.97      10    24.77   318.9     .43      .02   1483.
   20    8.70   32.12      20    24.93   303.4     .74      .07   1482.
   30    8.47   32.33      30    25.13   284.3    1.03      .14   1482.
   50    8.02   32.82      50    25.59   241.8    1.57      .36   1481.
   75    7.69   33.11      75    25.86   215.9    2.14      .72   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 24
48-43.7 N 125-21.7 W
M0.-6 DAY-20 14.1

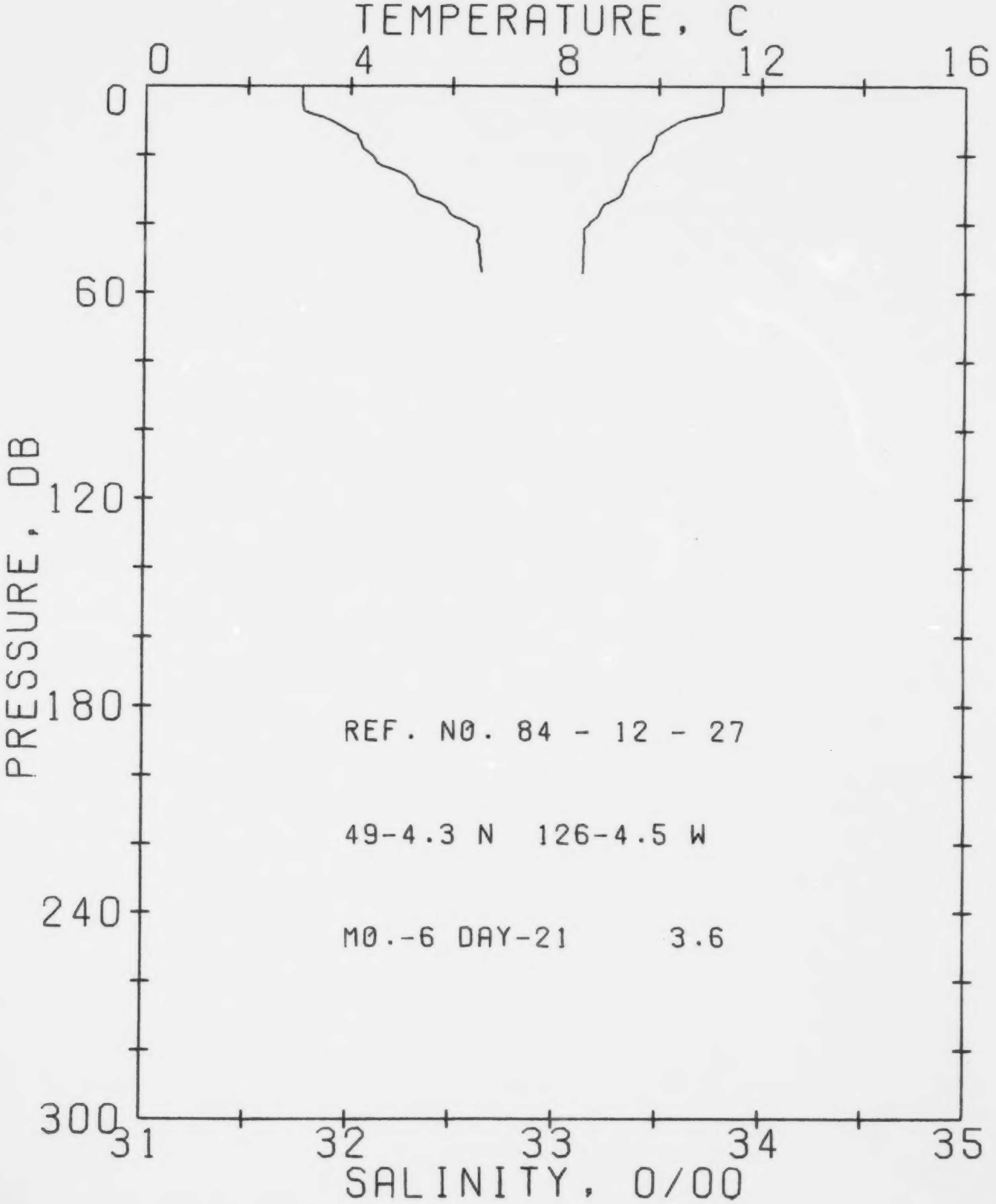
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 24         DATE 20/ 6/84
POSITION  48-43.7N, 125-21.7W   GMT 14.1        STATICN C 2
RESULTS OF STP CAST   105 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0    9.90   31.70        0    24.42  351.9      .00      .00  1486.
   10    9.79   31.71       10    24.45  349.3      .35      .02  1486.
   20    8.63   32.25       20    25.05  292.5      .67      .07  1482.
   30    8.36   32.42       30    25.22  276.1      .95      .14  1481.
   50    7.94   32.86       50    25.63  237.4     1.47      .35  1481.
   75    7.77   33.03       75    25.78  223.2     2.04      .71  1481.
  100    7.52   33.26       99    26.00  203.3     2.57     1.19  1480.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 25
48-39.5 N 125-26.9 W
MO.-6 DAY-20 14.8

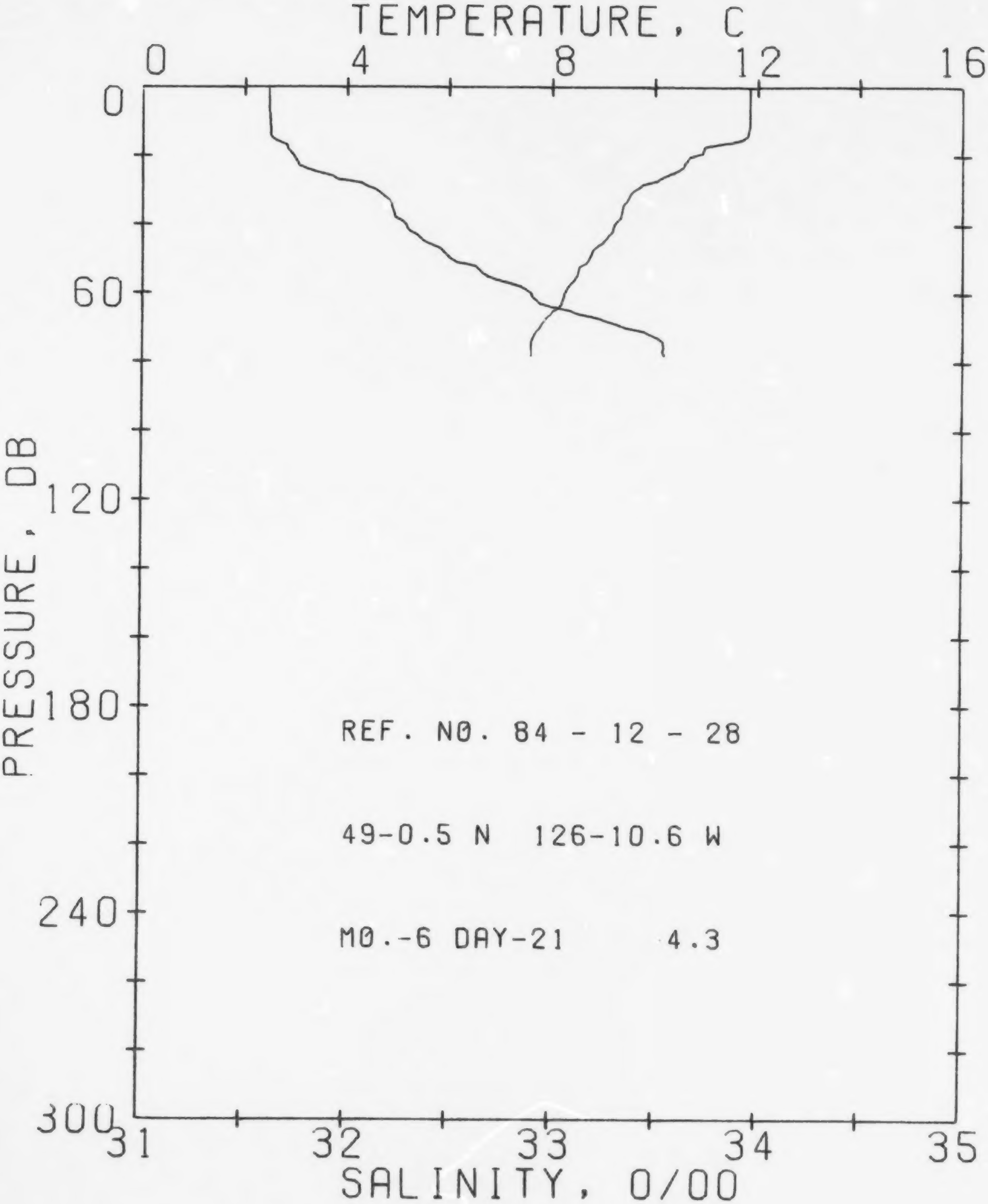
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 25          DATE 20/ 6/84
POSITION  48-39.5N, 125-26.9W   GMT 14.8       STATION C 3
RESULTS OF STP CAST    71 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T                D        EN
   0    11.54   31.48       0    23.97  395.1      .00      .00   1491.
  10    10.90   31.71      10    24.26  367.8      .39      .02   1490.
  20     8.90   32.05      20    24.85  310.9      .72      .07   1483.
  30     8.54   32.27      30    25.08  289.4     1.02      .15   1482.
  50     7.90   32.91      50    25.67  233.4     1.52      .35   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 26
49-5.0 N 126-0.9 W
MO.-6 DAY-21 3.1
31
32
33
34
35
SALINITY, 0/00

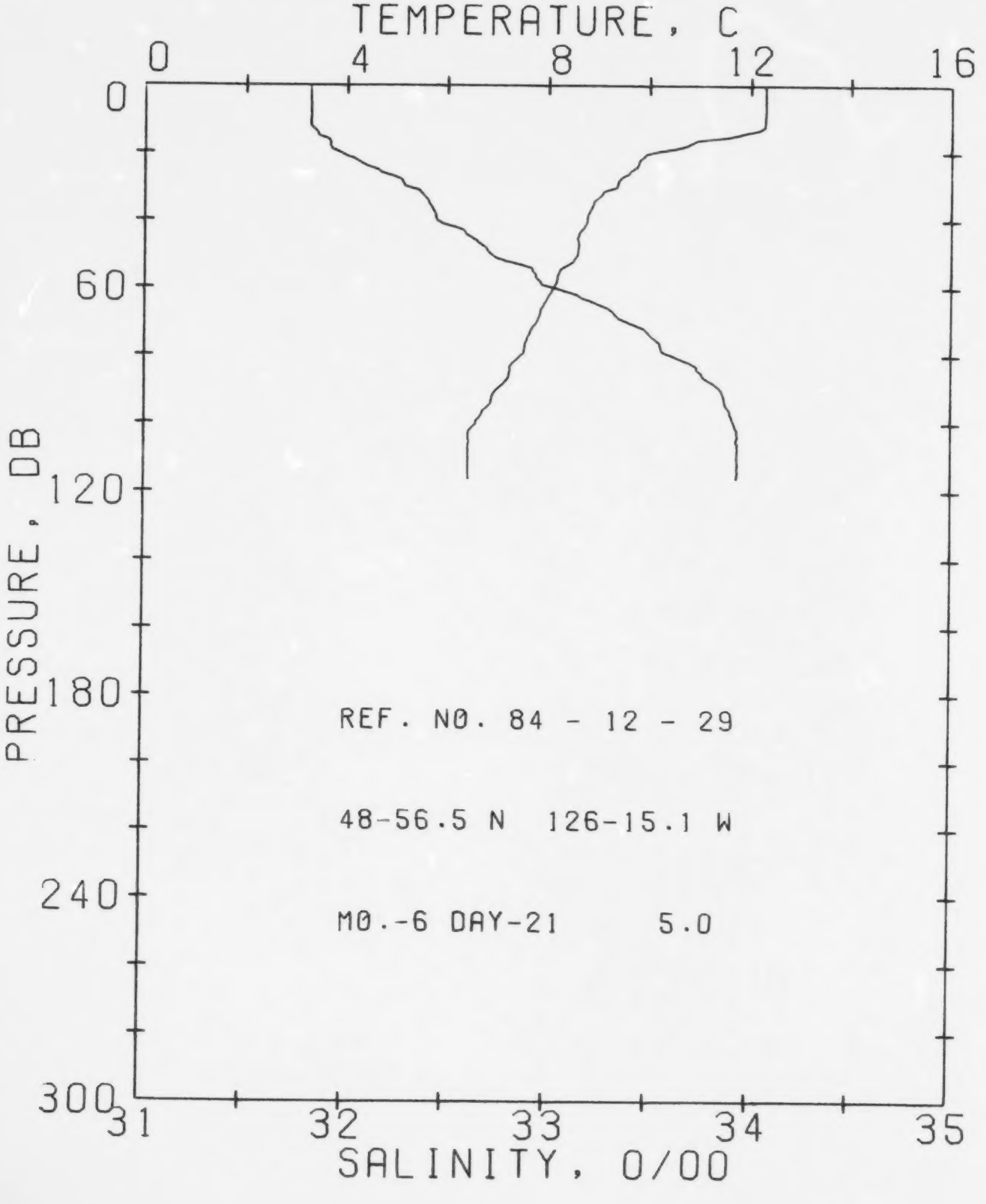
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 26         DATE 21/ 6/84
POSITION  49- 5.0N, 126-  .9W   GMT  3.1       STATION E 1
RESULTS OF STP CAST    47 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP    SAL   DEPTH   SIGMA   SVA   DELTA    POT.   SOUND
                                T             D       EN
  0    10.36   31.59     0    24.26  367.0    .00     .00   1487.
 10     9.26   32.25    10    24.95  301.4    .35     .02   1484.
 20     8.72   32.39    20    25.14  283.4    .64     .06   1483.
 30     8.70   32.42    30    25.17  281.1    .92     .13   1483.

PRES  DEPTH     TEMP    SAL       PRES  DEPTH     TEMP    SAL

  0.           10.36   31.59       24.              8.70   32.40
  1.           10.36   31.59       25.              8.70   32.40
  2.           10.36   31.59       26.              8.71   32.41
  3.           10.36   31.59       27.              8.72   32.39
  4.           10.38   31.59       28.              8.70   32.41
  5.           10.37   31.60       29.              8.70   32.42
  6.           10.35   31.61       30.              8.70   32.42
  7.           10.02   31.87       31.              8.71   32.43
  8.            9.46   32.20       32.              8.72   32.41
  9.            9.29   32.23       33.              8.72   32.43
 10.            9.26   32.25       34.              8.70   32.42
 11.            9.13   32.27       35.              8.70   32.42
 12.            9.01   32.33       36.              8.70   32.42
 13.            8.91   32.34       37.              8.71   32.42
 14.            8.87   32.34       38.              8.70   32.42
 15.            8.86   32.34       39.              8.71   32.42
 16.            8.86   32.35       40.              8.71   32.43
 17.            8.83   32.37       41.              8.70   32.43
 18.            8.78   32.37       42.              8.70   32.42
 19.            8.72   32.39       43.              8.70   32.43
 20.            8.72   32.39       44.              8.70   32.43
 21.            8.73   32.39       45.              8.70   32.43
 22.            8.73   32.40       46.              8.71   32.42
 23.            8.69   32.40
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 27
49-4.3 N 126-4.5 W
M0.-6 DAY-21 3.6

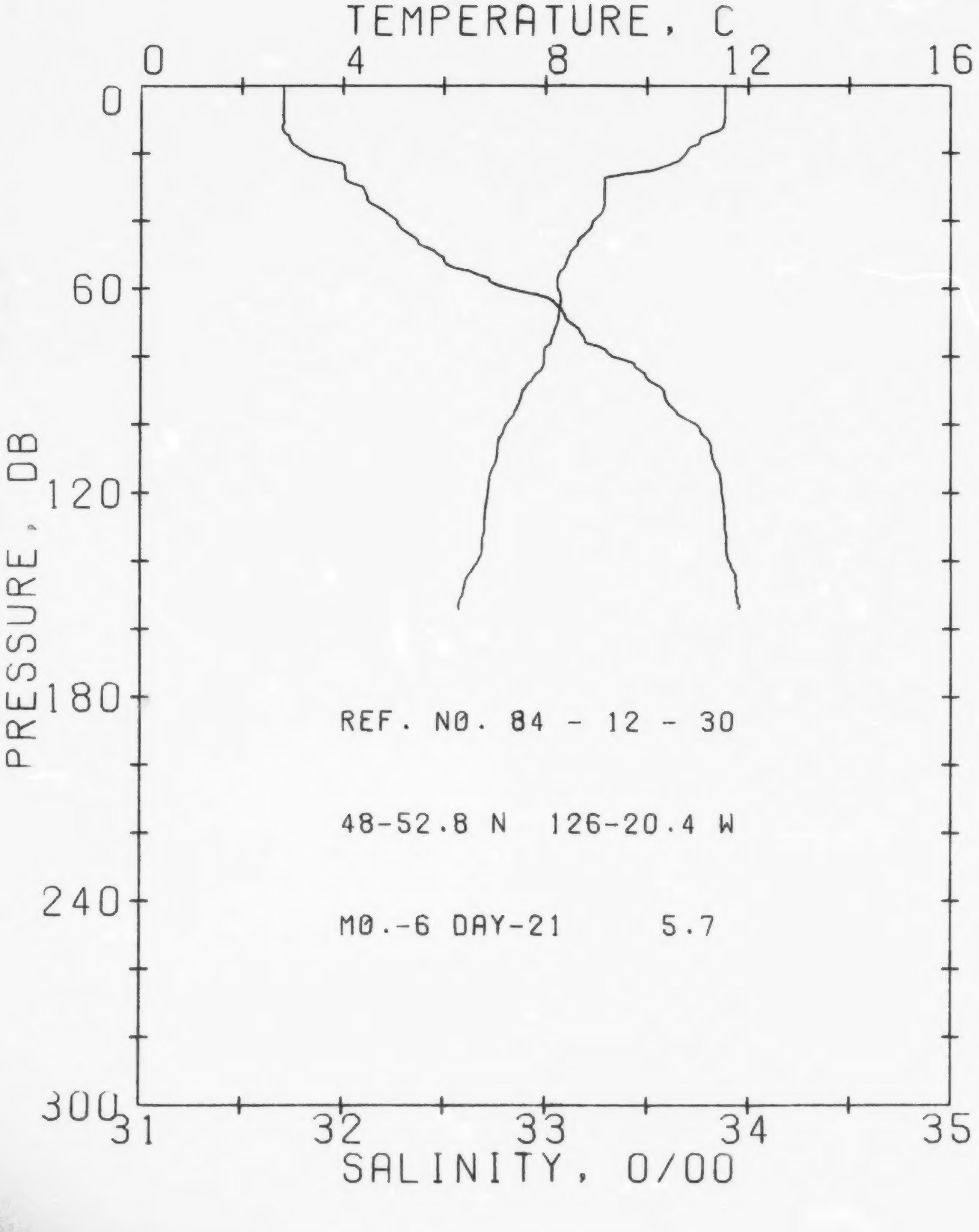
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 27        DATE 21/ 6/84
POSITION  49- 4.3N, 126- 4.5W   GMT  3.6      STATION E 2
RESULTS OF STP CAST    55 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T                D       EN
   0    11.25   31.76       0   24.24   369.0     .00      .00   1491.
  10    10.40   31.91      10   24.50   344.5     .37      .02   1488.
  20     9.75   32.11      20   24.76   319.7     .69      .07   1486.
  30     9.31   32.32      30   25.00   297.1    1.00      .15   1485.
  50     8.54   32.64      50   25.36   262.9    1.55      .37   1483.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 28
49-0.5 N 126-10.6 W
MO.-6 DAY-21 4.3
31
32
33
34
35
SALINITY, 0/00

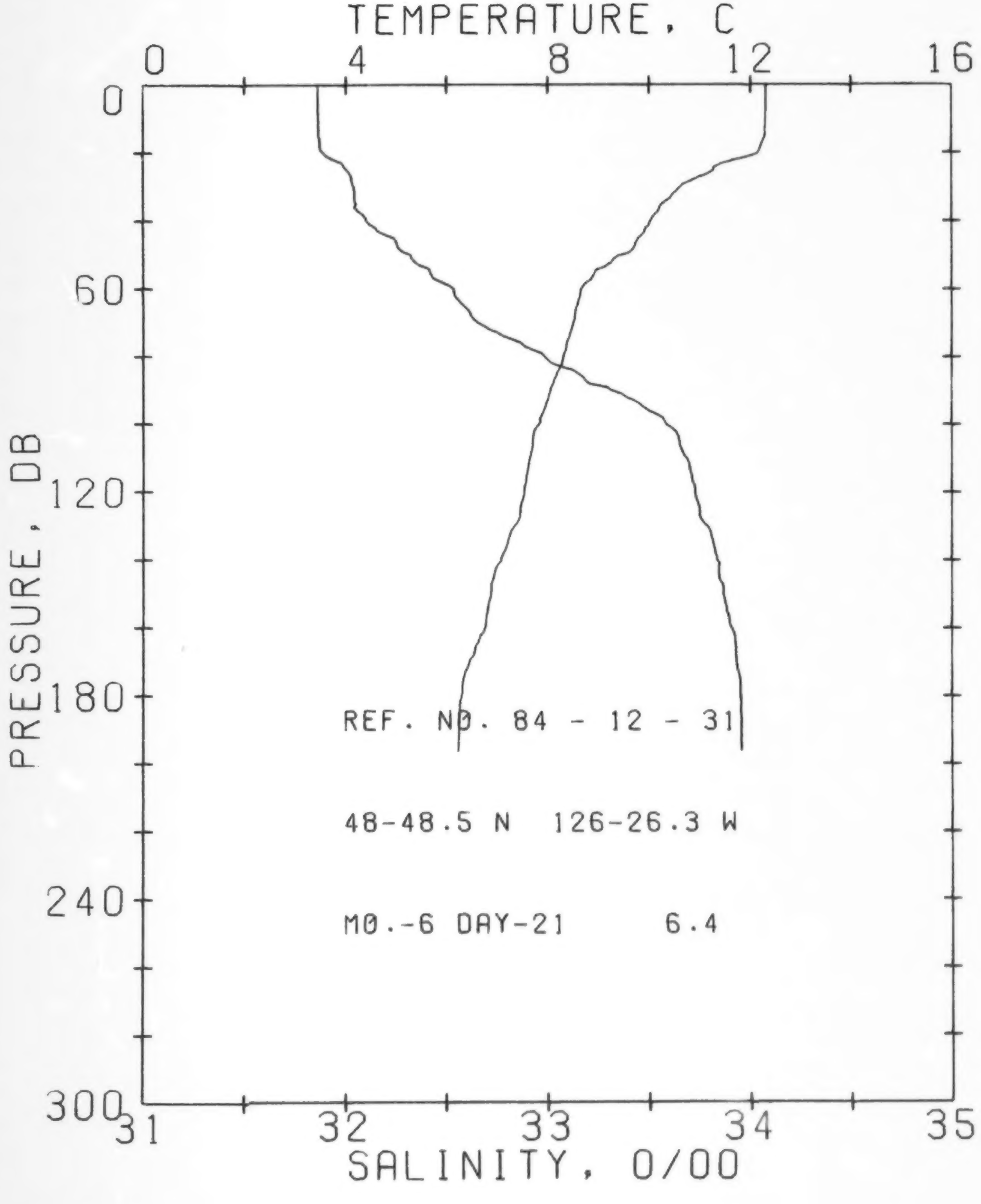
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 28         DATE 21/ 6/84
POSITION  49-  .5N, 126-10.6W   GMT  4.3       STATION E 3
RESULTS OF STP CAST    79 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D       EN
    0   11.85   31.62        0    24.02   390.2     .00      .00   1493.
   10   11.85   31.62       10    24.02   389.9     .39      .02   1493.
   20   10.69   31.74       20    24.32   361.9     .77      .08   1489.
   30    9.58   32.15       30    24.82   314.4    1.11      .16   1486.
   50    8.73   32.51       50    25.24   274.9    1.71      .41   1483.
   75    7.59   33.54       75    26.21   182.7    2.28      .76   1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 29
48-56.5 N 126-15.1 W
MO.-6 DAY-21 5.0
31
32
33
34
35
SALINITY, 0/00

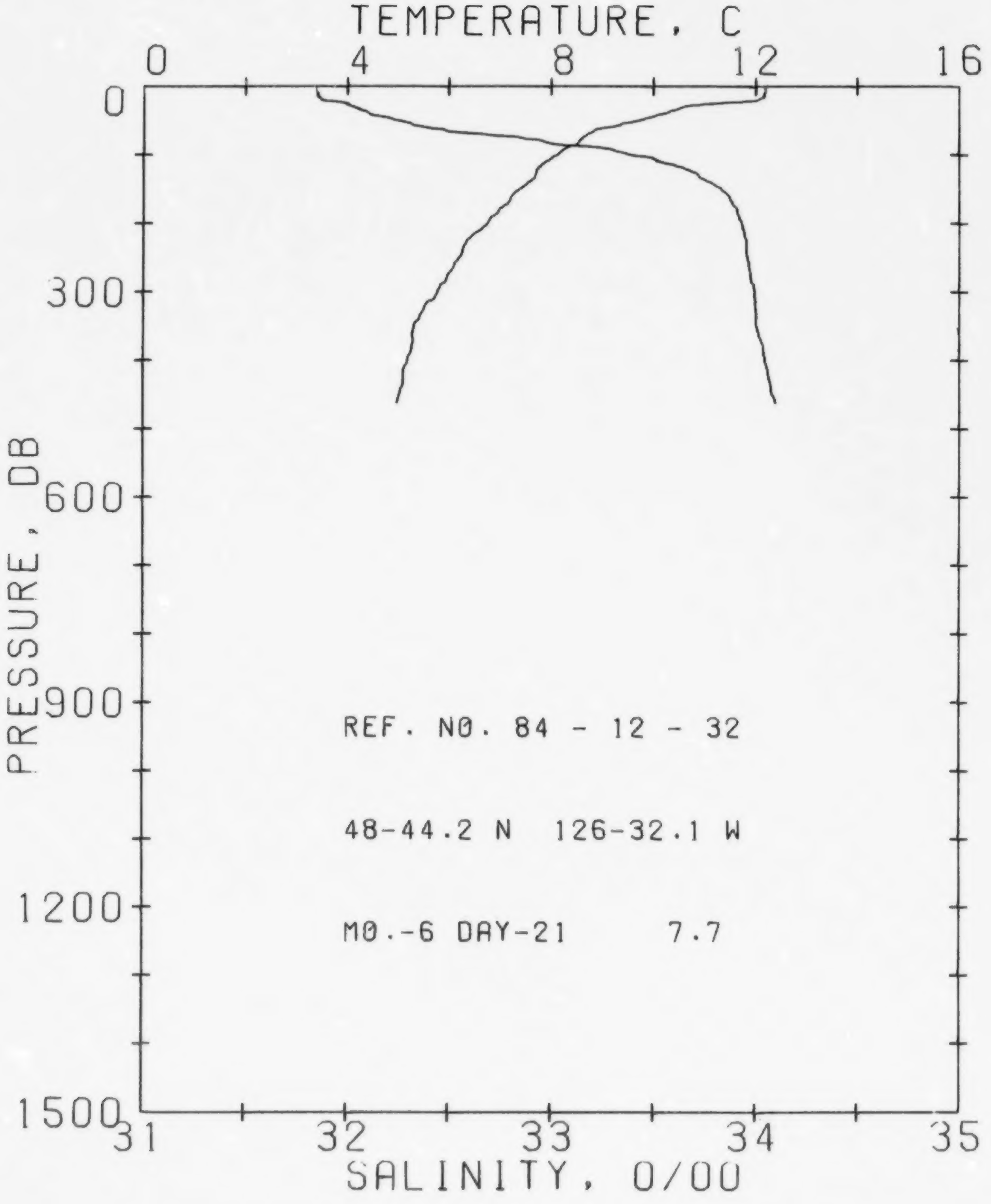
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 29          DATE 21/ 6/84
POSITION  48-56.5N, 126-15.1W   GMT  5.0       STATION E 4
RESULTS OF STP CAST   117 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA   DELTA    POT.   SOUND
                                   T              D      EN
    0   12.30   31.82       0    24.09  383.3     .00     .00   1495.
   10   12.29   31.82      10    24.09  383.3     .38     .02   1495.
   20    9.96   31.97      20    24.62  333.3     .75     .07   1487.
   30    9.36   32.29      30    24.97  300.5    1.06     .15   1485.
   50    8.59   32.72      50    25.42  257.6    1.61     .38   1483.
   75    7.58   33.53      75    26.20  183.6    2.16     .72   1481.
  100    6.58   33.92      99    26.65  141.4    2.56    1.07   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 30
48-52.8 N 126-20.4 W
MO.-6 DAY-21 5.7
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 30         DATE 21/ 6/84
POSITION  48-52.8N, 126-20.4W   GMT  5.7        STATION E 5
RESULTS OF STP CAST   155 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D        EN
    0   11.53   31.71       0    24.14   378.2      .00      .00   1492.
   10   11.54   31.71      10    24.14   378.6      .38      .02   1492.
   20   10.77   31.82      20    24.36   357.5      .75      .08   1489.
   30    9.17   32.10      30    24.85   311.6     1.08      .16   1484.
   50    8.48   32.47      50    25.24   274.3     1.67      .40   1482.
   75    8.12   33.19      75    25.86   215.9     2.27      .78   1482.
  100    7.22   33.75      99    26.42   162.9     2.74     1.19   1480.
  125    6.81   33.88     124    26.58   148.0     3.13     1.63   1479.
  150    6.36   33.94     149    26.69   137.9     3.49     2.14   1478.
```

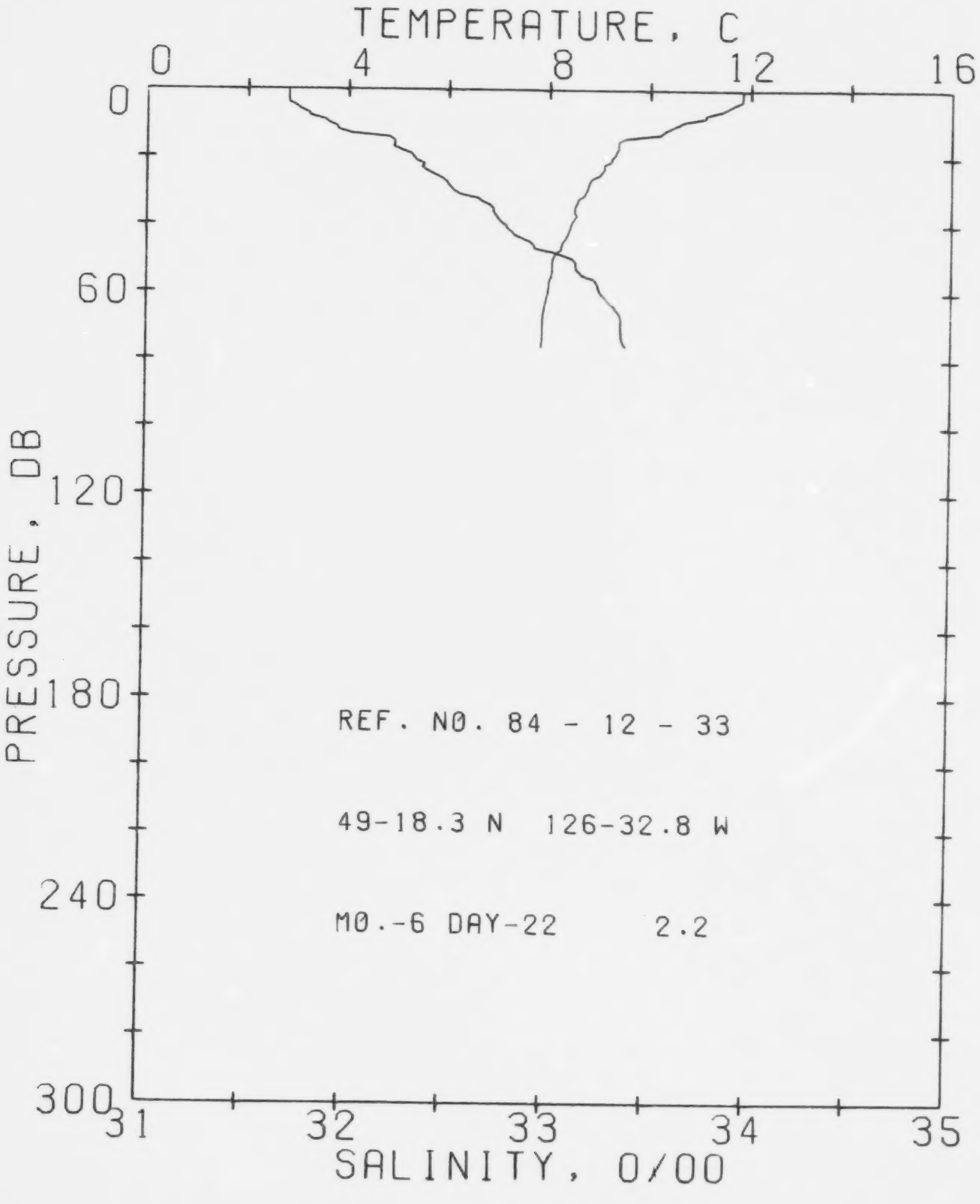

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 31
48-48.5 N 126-26.3 W
MO.-6 DAY-21 6.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 31        DATE 21/ 6/84
POSITION  48-48.5N, 126-26.3W   GMT  6.4      STATION E 6
RESULTS OF STP CAST   197 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D      EN
    0   12.31   31.86       0    24.12   380.2     .00     .00   1495.
   10   12.31   31.86      10    24.12   380.4     .38     .02   1495.
   20   12.16   31.89      20    24.17   376.0     .76     .08   1494.
   30   10.61   32.04      30    24.56   338.7    1.11     .17   1489.
   50    9.39   32.33      50    24.99   298.5    1.76     .43   1486.
   75    8.39   32.84      75    25.54   246.2    2.44     .86   1483.
  100    7.82   33.58      99    26.21   183.1    2.97    1.33   1482.
  125    7.47   33.75     124    26.39   166.5    3.40    1.83   1481.
  150    6.89   33.86     149    26.56   150.5    3.80    2.38   1480.
  175    6.34   33.95     174    26.70   137.3    4.16    2.97   1478.
```

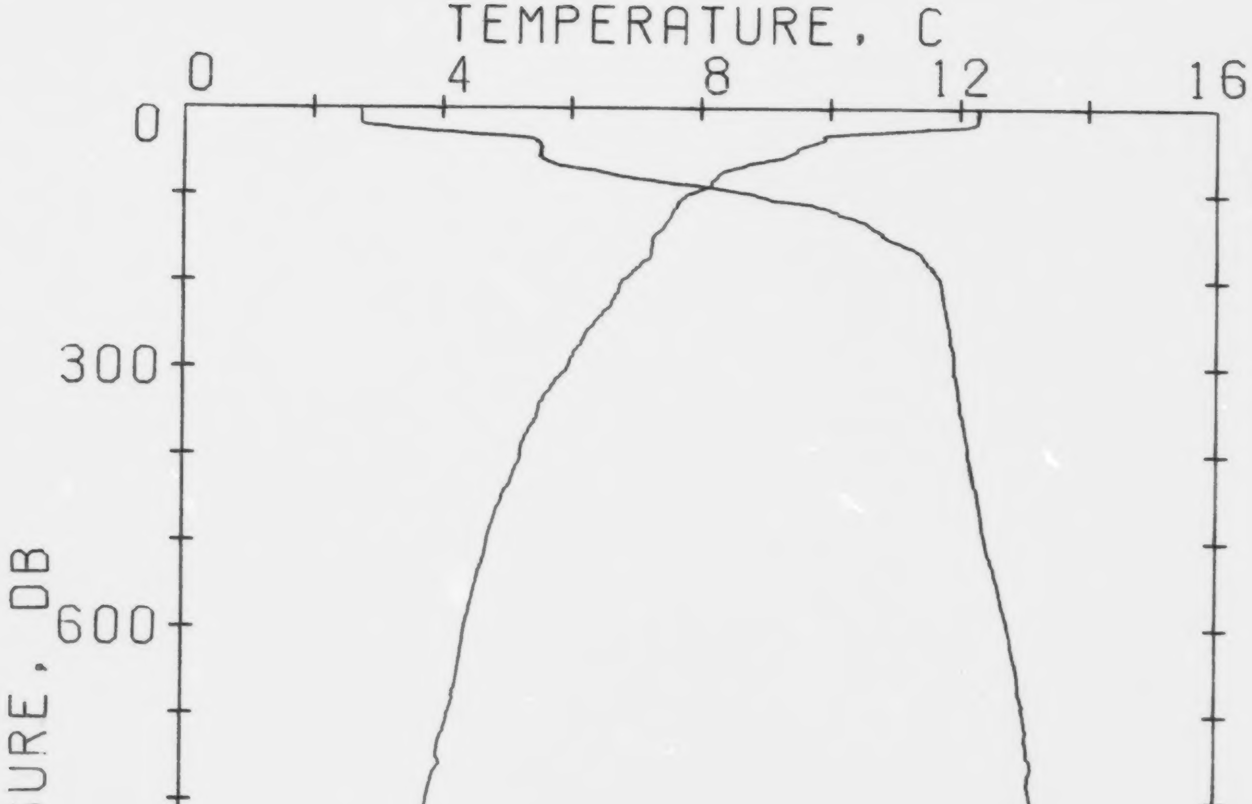

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. N0. 84 - 12 - 32
48-44.2 N 126-32.1 W
M0.-6 DAY-21 7.7
31
32
33
34
35
SALINITY, 0/00

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 32 DATE 21/ 6/84
POSITION 48-44.2N, 126-32.1W GMT 7.7 STATION E 7
RESULTS OF STP CAST 463 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

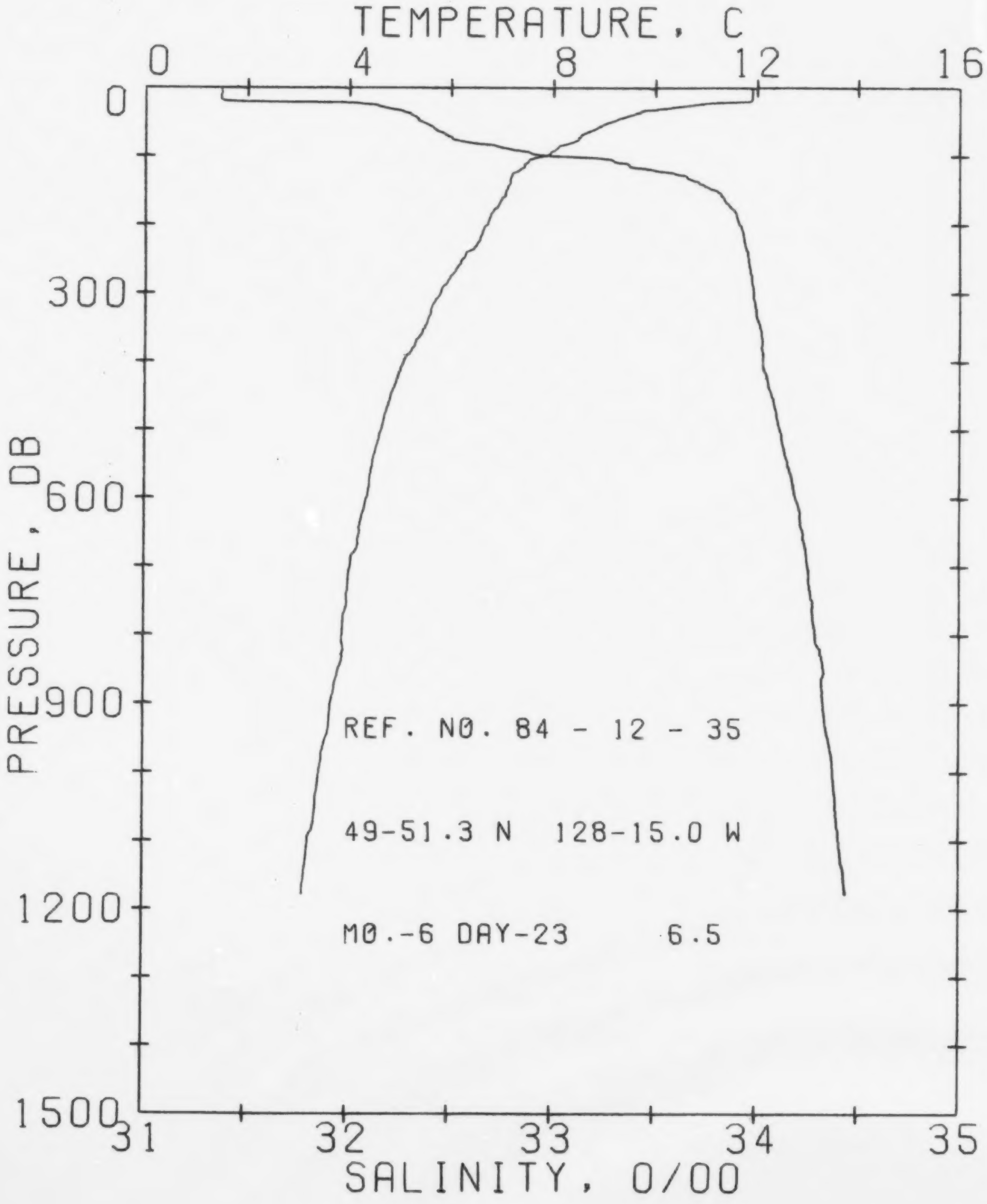
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.19	31.85	0	24.13	379.3	.00	.00	1494.
10	12.16	31.86	10	24.15	378.1	.38	.02	1494.
20	12.03	31.87	20	24.18	375.0	.76	.08	1494.
30	10.57	32.03	30	24.56	338.9	1.11	.17	1489.
50	9.71	32.25	50	24.88	309.2	1.76	.43	1487.
75	8.61	32.86	75	25.52	248.0	2.47	.88	1484.
100	8.12	33.39	99	26.01	201.9	3.02	1.37	1483.
125	7.70	33.70	124	26.32	173.4	3.49	1.90	1482.
150	7.37	33.84	149	26.48	158.8	3.90	2.48	1481.
175	7.05	33.90	174	26.57	150.1	4.29	3.12	1481.
200	6.74	33.93	199	26.64	144.0	4.66	3.83	1480.
225	6.34	33.96	223	26.71	137.2	5.01	4.59	1479.
250	6.19	33.96	248	26.73	135.6	5.35	5.42	1479.
300	5.76	34.00	298	26.81	128.1	6.01	7.26	1478.
400	5.17	34.04	397	26.92	118.7	7.24	11.64	1477.


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 33
49-18.3 N 126-32.8 W
MO.-6 DAY-22 2.2
31
32
33
34
35
SALINITY, 0/00

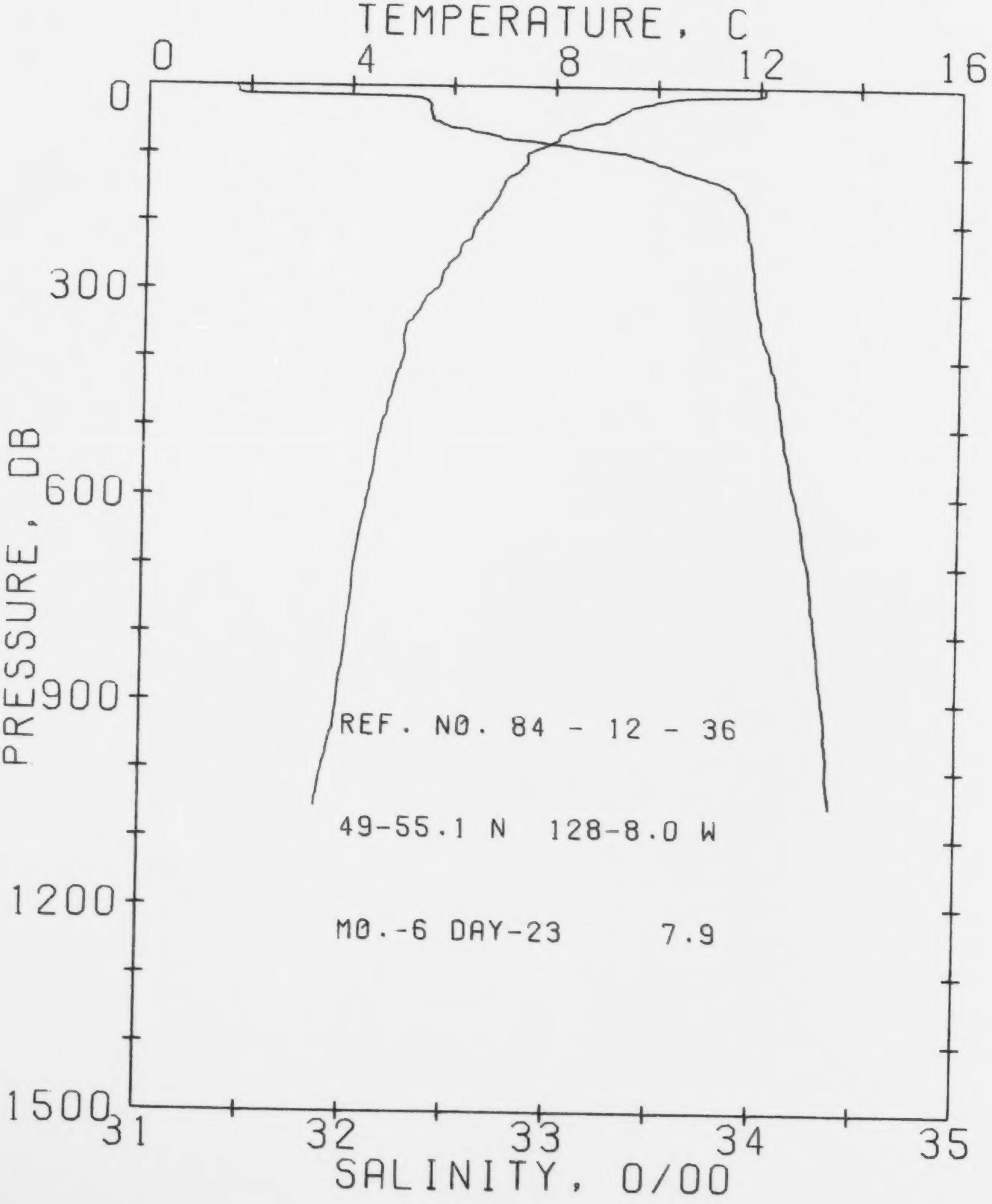
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 33          DATE 22/ 6/84
POSITION  49-18.3N, 126-32.8W   GMT  2.2      STATION E 1
RESULTS OF STP CAST    77 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D        EN
   0    11.84    31.70       0    24.09   383.6     .00      .00   1493.
  10    10.56    31.91      10    24.47   347.4     .37      .02   1489.
  20     9.25    32.33      20    25.01   295.6     .69      .07   1485.
  30     8.74    32.53      30    25.25   273.3     .97      .14   1483.
  50     8.08    33.12      50    25.81   220.5    1.47      .34   1482.
  75     7.87    33.37      75    26.04   199.3    1.99      .67   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 34
49-47.5 N 128-21.3 W
MO.-6 DAY-23 2.5

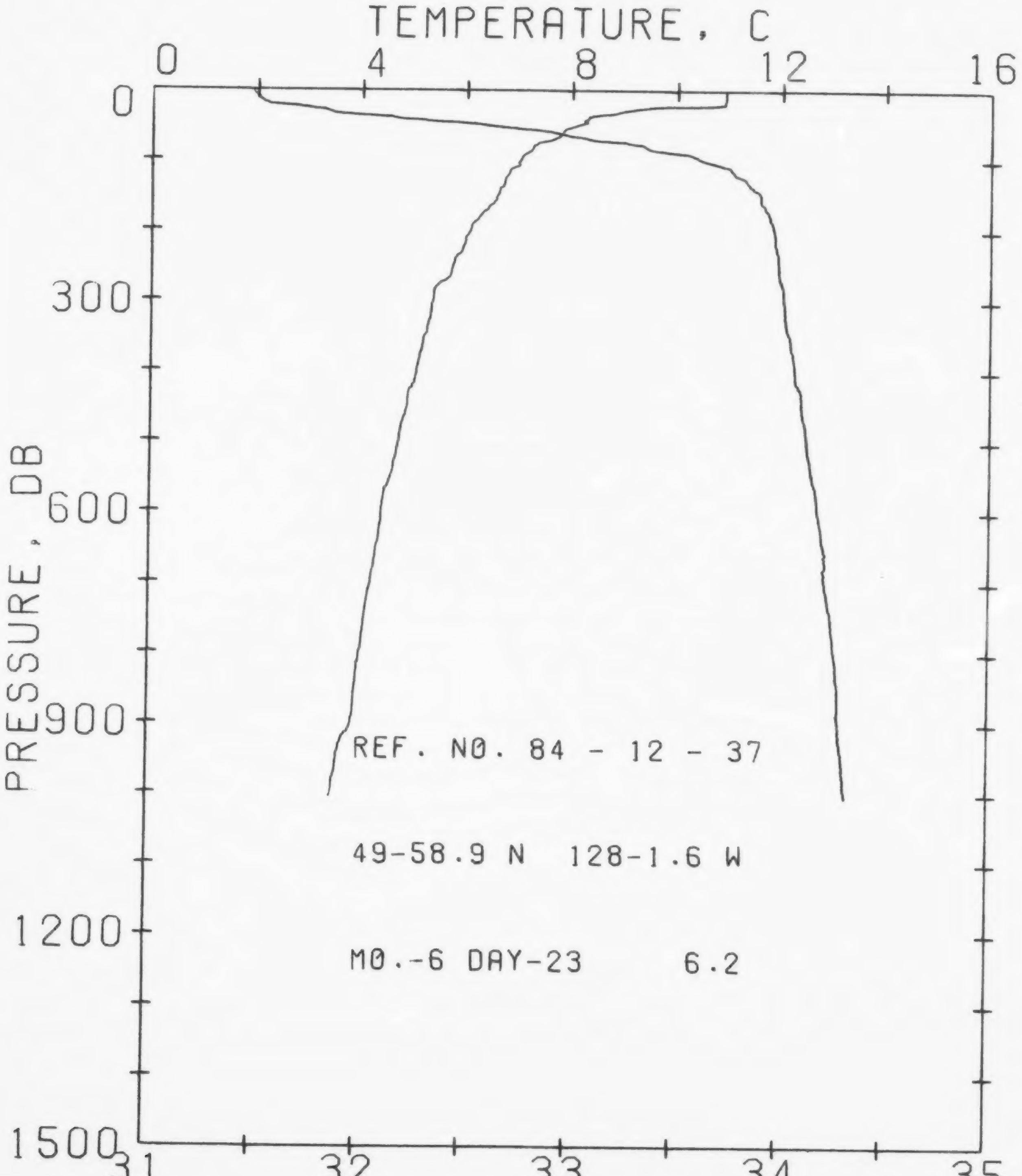
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 34          DATE 23/ 6/84
POSITION  49-47.5N, 128-21.3W   GMT  2.5       STATION M 6
RESULTS OF STP CAST  1023 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.31   31.69        0    23.99   393.3     .00      .00   1494.
   10   12.30   31.69       10    23.99   393.2     .39      .02   1495.
   20   12.15   31.71       20    24.03   389.3     .79      .08   1494.
   30    9.99   32.11       30    24.72   323.5    1.14      .17   1487.
   50    9.46   32.39       50    25.02   295.2    1.75      .42   1486.
   75    8.31   32.64       75    25.40   259.9    2.45      .86   1482.
  100    7.79   33.21       99    25.93   210.1    3.04     1.39   1481.
  125    7.56   33.56      124    26.23   181.6    3.53     1.94   1481.
  150    7.26   33.72      149    26.39   166.4    3.96     2.55   1481.
  175    7.17   33.86      174    26.52   154.5    4.36     3.21   1481.
  200    6.78   33.93      199    26.63   145.0    4.73     3.92   1480.
  225    6.64   33.94      223    26.66   142.5    5.09     4.70   1480.
  250    6.36   33.96      248    26.70   138.1    5.44     5.55   1479.
  300    5.95   33.98      298    26.78   131.5    6.11     7.43   1478.
  400    5.23   34.03      397    26.91   120.0    7.36    11.87   1477.
  500    4.71   34.10      496    27.02   109.8    8.51    17.11   1477.
  600    4.37   34.19      595    27.13   100.2    9.55    22.99   1477.
  800    3.81   34.29      793    27.26    88.4   11.43    36.36   1478.
 1000    3.42   34.38      991    27.37    78.8   13.11    51.68   1480.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 35
49-51.3 N 128-15.0 W
MO.-6 DAY-23 6.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 35          DATE 23/ 6/84
POSITION  49-51.3N, 128-15.0W   GMT  6.5      STATICN M 5
RESULTS OF STP CAST  1178 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   11.92   31.37       0    23.82   409.4     .00      .00   1493.
   10   11.92   31.37      10    23.81   409.8     .41      .02   1493.
   20   11.72   31.53      20    23.98   394.7     .82      .08   1492.
   30   10.10   32.20      30    24.78   318.6    1.16      .17   1488.
   50    9.09   32.37      50    25.07   291.1    1.76      .41   1484.
   75    8.50   32.51      75    25.27   272.1    2.46      .86   1483.
  100    7.79   33.10      99    25.84   218.7    3.08     1.41   1481.
  125    7.20   33.60     124    26.31   173.9    3.56     1.96   1480.
  150    7.08   33.81     149    26.49   157.1    3.98     2.54   1480.
  175    6.89   33.88     174    26.57   149.6    4.36     3.18   1480.
  200    6.71   33.92     199    26.63   144.6    4.73     3.88   1480.
  225    6.55   33.94     223    26.67   141.2    5.08     4.65   1480.
  250    6.23   33.96     248    26.73   136.0    5.43     5.49   1479.
  300    5.81   33.99     298    26.80   129.6    6.09     7.35   1478.
  400    5.09   34.03     397    26.92   118.6    7.33    11.76   1477.
  500    4.65   34.12     496    27.04   108.2    8.46    16.94   1477.
  600    4.36   34.20     595    27.13   100.0    9.50    22.75   1477.
  800    3.90   34.29     793    27.26    89.3   11.38    36.08   1479.
 1000    3.46   34.38     990    27.37    79.1   13.06    51.51   1480.
 1200    3.10   34.48    1188    27.48    69.3   14.55    68.05   1482.
```

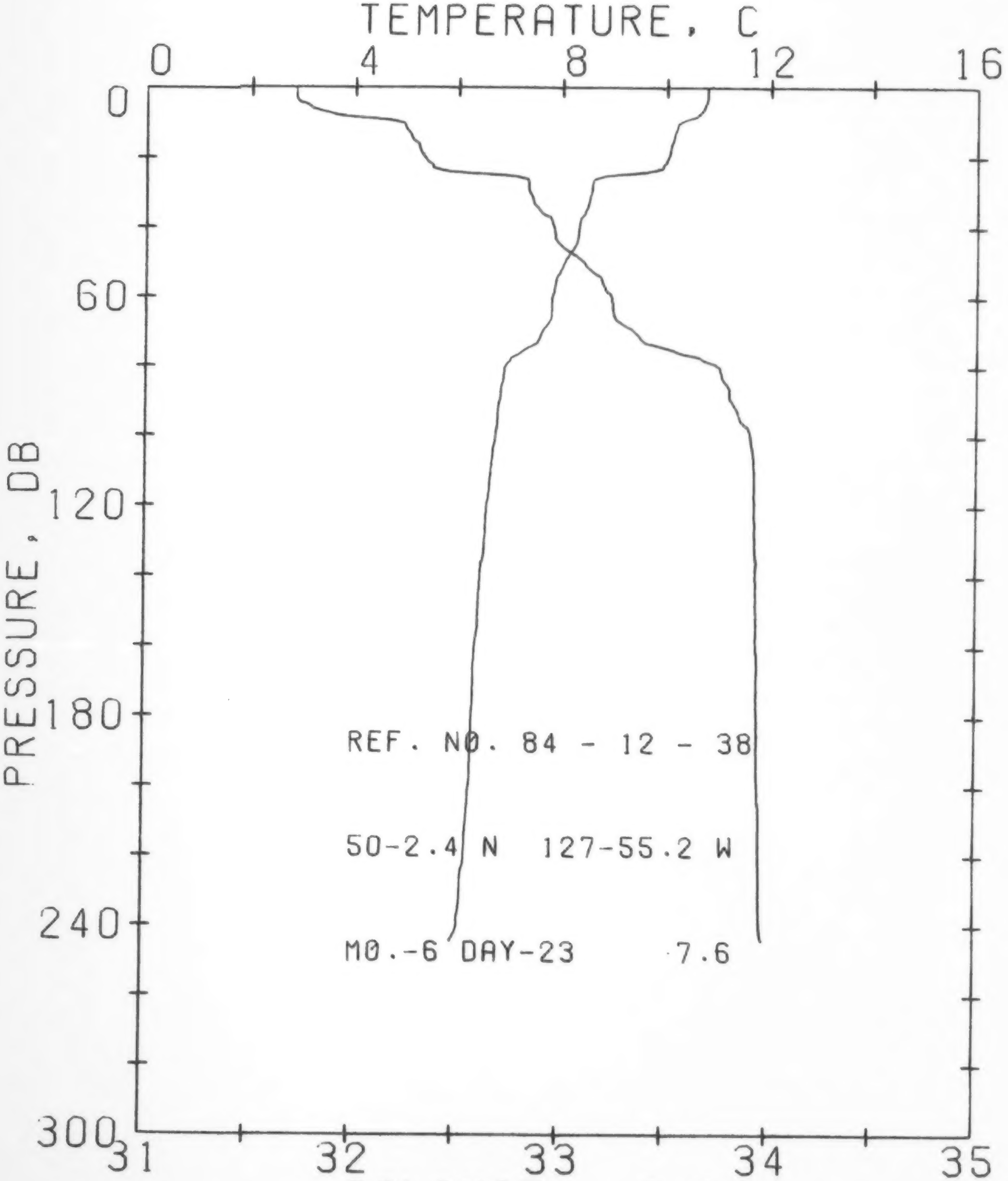

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 36
49-55.1 N 128-8.0 W
MO.-6 DAY-23 7.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 36          DATE 23/ 6/84
POSITION  49-55.1N, 128- 8.0W    GMT  7.9       STATION M 4
RESULTS OF STP CAST  1054 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                     T                D       EN
    0   12.10    31.44       0    23.83   408.0     .00      .00   1493.
   10   12.09    31.44      10    23.83   407.9     .41      .02   1493.
   20   10.00    32.37      20    24.92   304.3     .75      .07   1487.
   30    9.48    32.39      30    25.02   295.0    1.05      .15   1486.
   50    9.01    32.40      50    25.11   287.0    1.63      .38   1484.
   75    8.08    32.74      75    25.52   248.8    2.30      .81   1481.
  100    7.45    33.38      99    26.10   193.3    2.84     1.29   1480.
  125    7.30    33.64     124    26.33   172.4    3.30     1.82   1480.
  150    6.97    33.87     149    26.56   151.0    3.70     2.37   1480.
  175    6.79    33.93     174    26.63   144.5    4.07     2.98   1480.
  200    6.49    33.95     199    26.68   139.8    4.42     3.66   1479.
  225    6.34    33.96     223    26.71   137.2    4.77     4.41   1479.
  250    6.11    33.97     248    26.75   133.9    5.11     5.23   1478.
  300    5.66    33.99     298    26.82   127.4    5.76     7.06   1477.
  400    5.08    34.06     397    26.95   116.1    6.97    11.36   1477.
  500    4.67    34.13     496    27.04   107.7    8.08    16.46   1477.
  600    4.41    34.20     595    27.13   100.3    9.12    22.29   1477.
  800    4.02    34.30     793    27.25    89.9   11.01    35.70   1479.
 1000    3.58    34.36     990    27.35    81.7   12.72    51.41   1481.
```

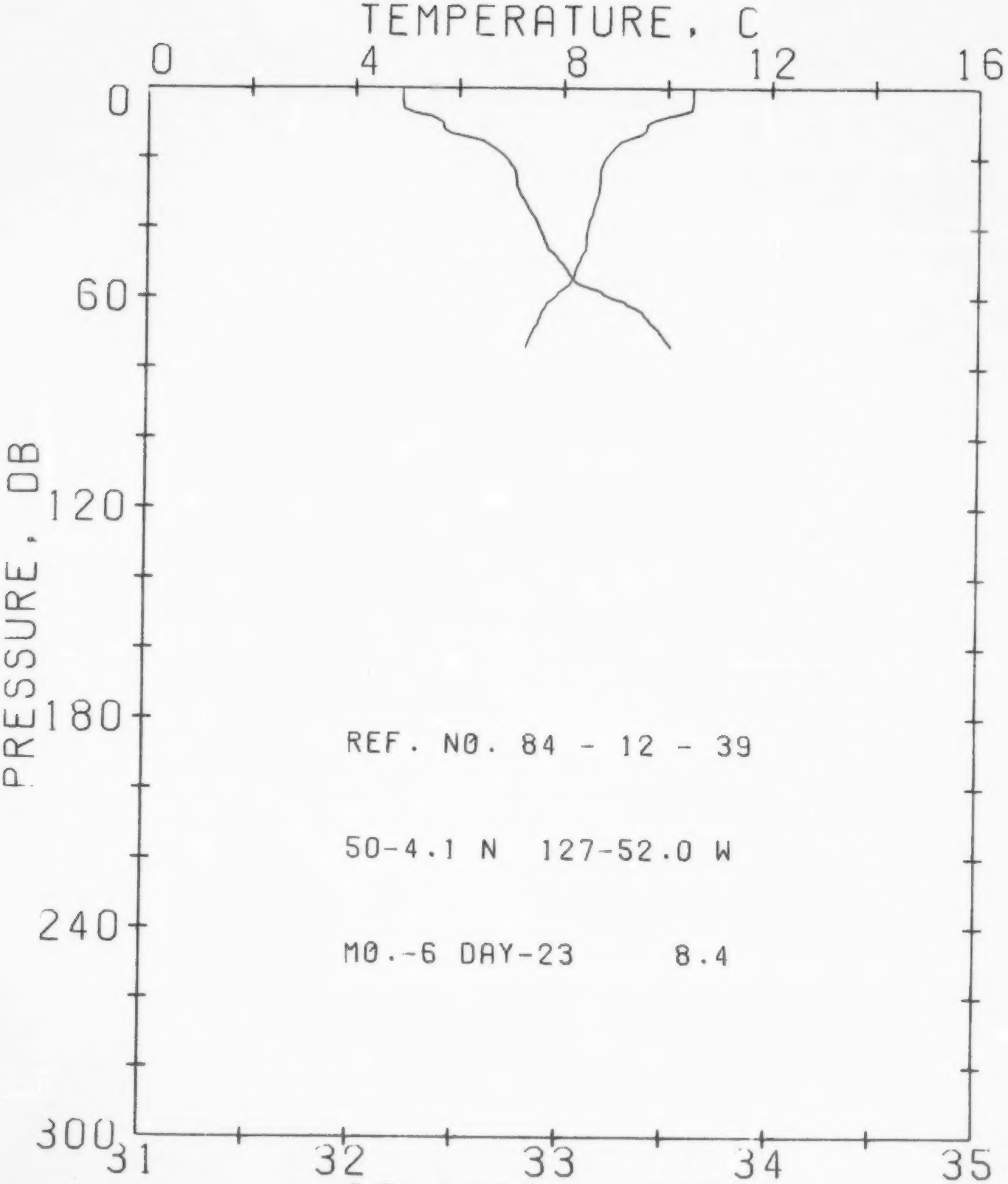

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 37
49-58.9 N 128-1.6 W
MO.-6 DAY-23 6.2

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 37   DATE 23/ 6/84
POSITION 49-58.9N, 128- 1.6W   GMT 6.2   STATION M 3
RESULTS OF STP CAST 1005 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

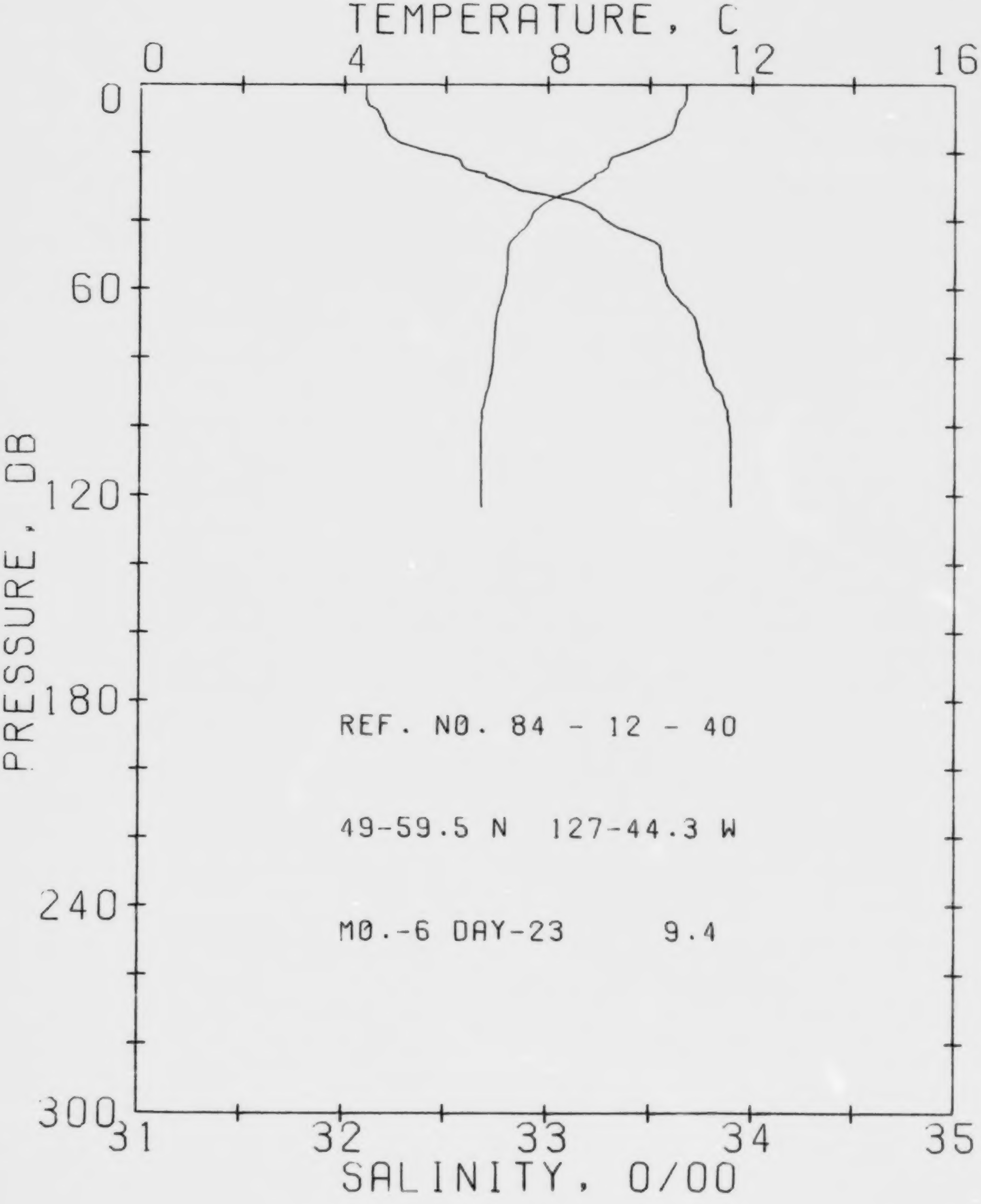
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.92	31.48	0	24.08	384.5	.00	.00	1489.
10	10.92	31.51	10	24.10	382.6	.38	.02	1489.
20	10.79	31.55	20	24.16	377.3	.77	.08	1489.
30	8.94	31.84	30	24.68	327.6	1.11	.17	1483.
50	8.09	32.60	50	25.40	259.3	1.70	.40	1481.
75	7.36	33.27	75	26.03	199.9	2.27	.76	1479.
100	7.01	33.63	99	26.36	168.5	2.73	1.17	1479.
125	6.74	33.82	124	26.55	151.1	3.12	1.62	1479.
150	6.59	33.90	149	26.63	143.8	3.49	2.14	1478.
175	6.30	33.94	174	26.70	137.7	3.85	2.73	1478.
200	6.08	33.96	199	26.75	133.3	4.19	3.37	1477.
225	5.94	33.97	223	26.77	131.2	4.52	4.09	1477.
250	5.75	33.99	248	26.80	128.3	4.84	4.87	1477.
300	5.37	34.01	298	26.87	122.4	5.46	6.62	1476.
400	5.07	34.06	397	26.95	115.9	6.66	10.87	1477.
500	4.73	34.12	496	27.03	108.5	7.77	15.98	1477.
600	4.42	34.18	595	27.11	101.8	8.82	21.87	1477.
800	4.02	34.26	793	27.22	92.7	10.77	35.71	1479.
1000	3.51	34.32	990	27.32	84.1	12.55	51.99	1480.


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 38
50-2.4 N 127-55.2 W
MO.-6 DAY-23 7.6

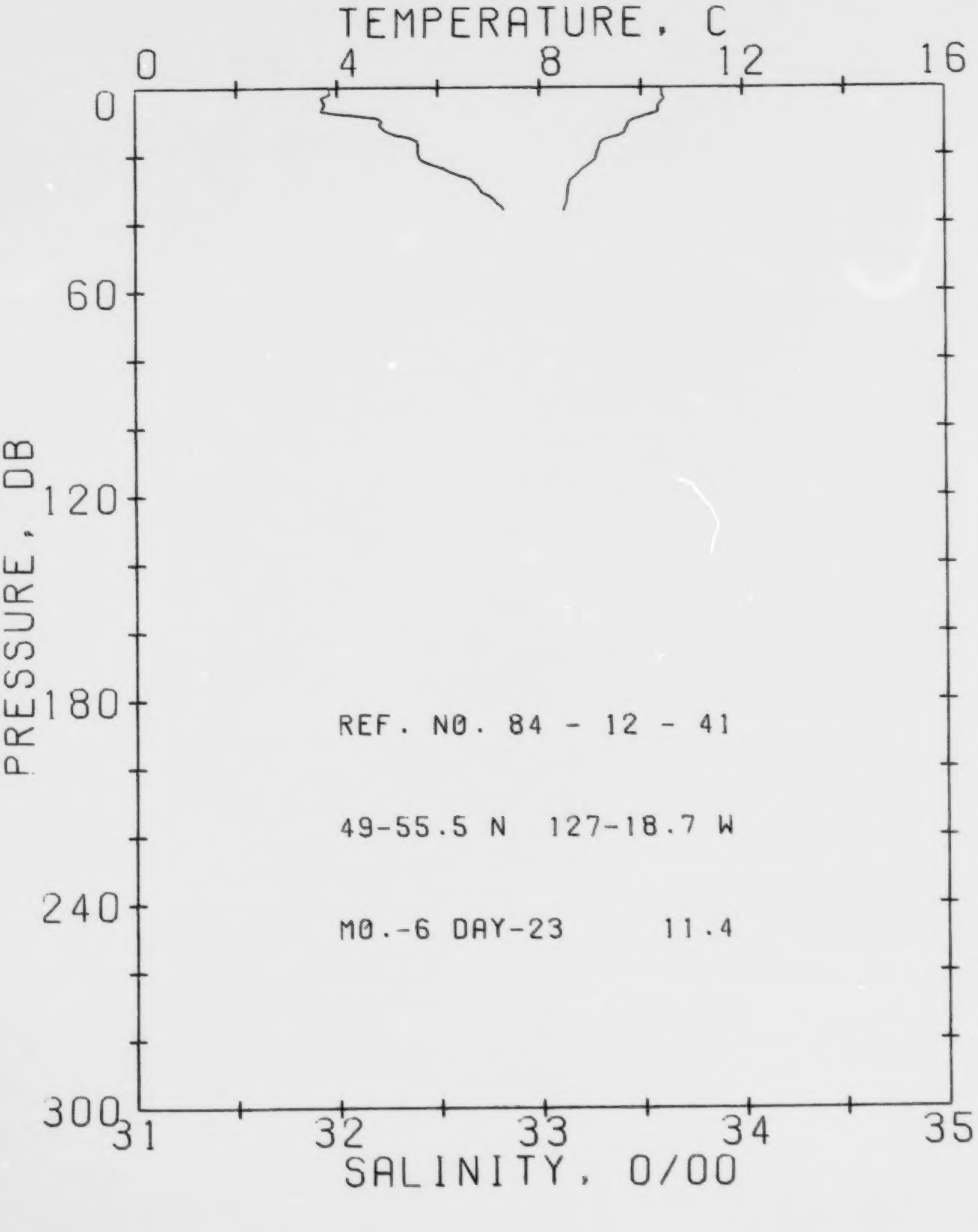
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 38         DATE 23/ 6/84
POSITION  50- 2.4N, 127-55.2W   GMT  7.6       STATION M 2
RESULTS OF STP CAST   245 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.   SOUND
                                    T                D       EN
    0   10.78   31.72       0    24.29   364.7      .00      .00   1489.
   10   10.22   32.24      10    24.78   317.4      .35      .02   1488.
   20   10.03   32.34      20    24.90   307.0      .67      .07   1487.
   30    8.56   32.84      30    25.52   247.5      .94      .13   1483.
   50    8.05   33.11      50    25.81   220.7     1.41      .33   1481.
   75    7.28   33.54      75    26.25   178.9     1.93      .65   1479.
  100    6.73   33.91      99    26.62   144.5     2.31      .99   1478.
  125    6.56   33.93     124    26.66   140.7     2.67     1.40   1478.
  150    6.43   33.94     149    26.68   138.8     3.02     1.89   1478.
  175    6.34   33.94     174    26.70   137.7     3.36     2.46   1478.
  200    6.28   33.96     199    26.71   136.5     3.70     3.12   1478.
  225    6.14   33.96     223    26.74   134.4     4.04     3.85   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 39
50-4.1 N 127-52.0 W
MO.-6 DAY-23 8.4
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 39          DATE 23/ 6/84
POSITION  50- 4.1N, 127-52.0W    GMT  8.4        STATION M 1
RESULTS OF STP CAST     75 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       FN
   0    10.49   32.23       0    24.73  322.2     .00      .00  1489.
  10     9.61   32.43      10    25.03  293.8     .32      .02  1486.
  20     8.81   32.73      20    25.40  259.4     .59      .06  1483.
  30     8.68   32.79      30    25.46  253.0     .85      .12  1483.
  50     8.29   33.00      50    25.68  232.4    1.33      .32  1482.
  75     7.26   33.53      75    26.25  179.0    1.85      .64  1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. N0. 84 - 12 - 40
49-59.5 N 127-44.3 W
M0.-6 DAY-23 9.4
31
32
33
34
35
SALINITY, 0/00

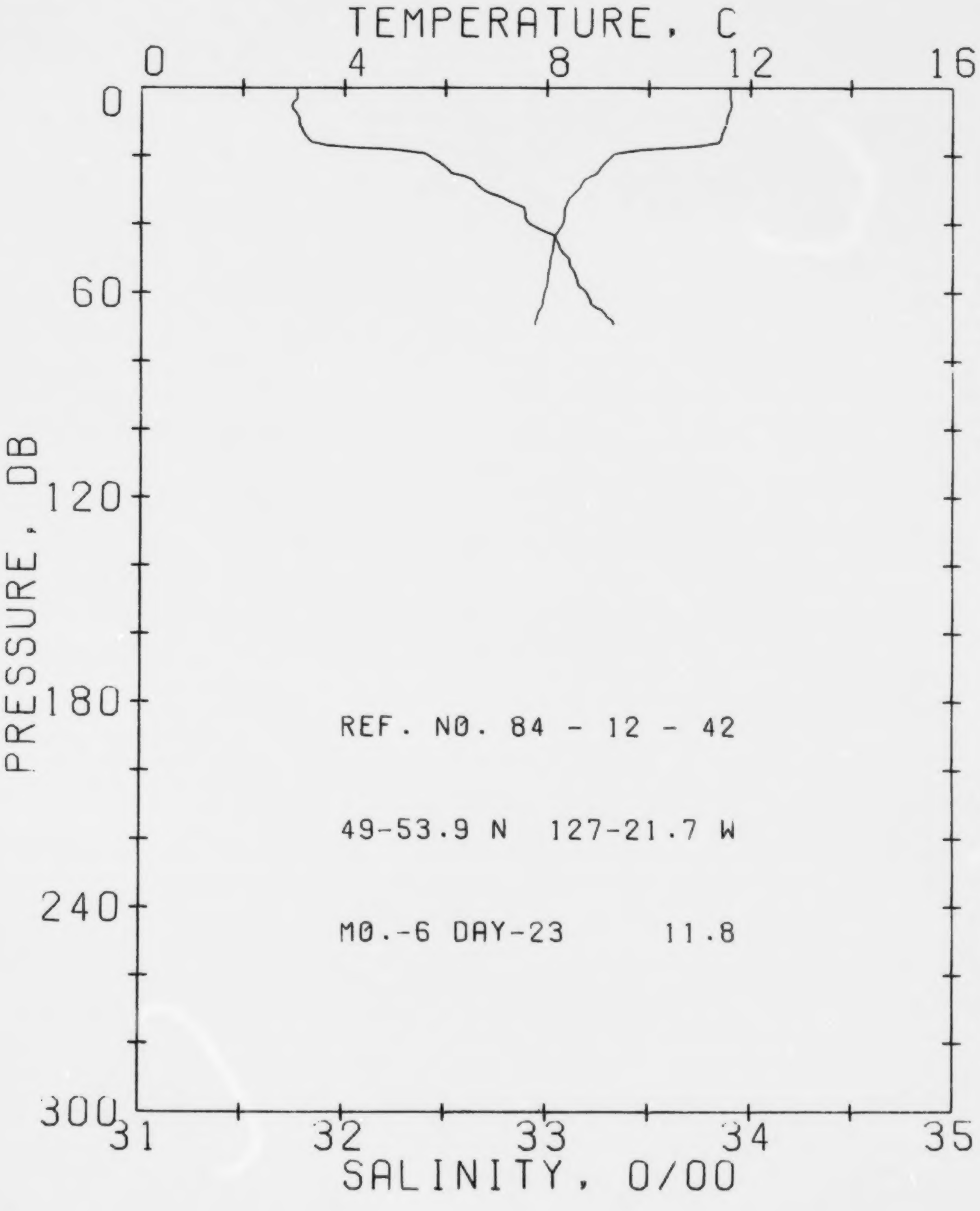
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 40          DATE 23/ 6/84
POSITION  49-59.5N, 127-44.3W    GMT  9.4       STATION L 2
RESULTS OF STP CAST   124 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                D        EN
    0   10.71    32.11        0    24.60   334.6      .00      .00    1489.
   10   10.52    32.19       10    24.70   325.9      .33      .02    1489.
   20    9.47    32.45       20    25.07   290.2      .65      .06    1485.
   30    8.63    32.83       30    25.50   249.1      .92      .13    1483.
   50    7.22    33.56       50    26.27   176.2     1.32      .30    1479.
   75    6.96    33.75       75    26.46   159.1     1.74      .56    1478.
  100    6.70    33.89       99    26.61   145.0     2.12      .90    1478.
  125    6.71    33.89      124    26.61   145.6     2.48     1.32    1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 41
49-55.5 N 127-18.7 W
MO.-6 DAY-23 11.4
31
32
33
34
35
SALINITY, 0/00

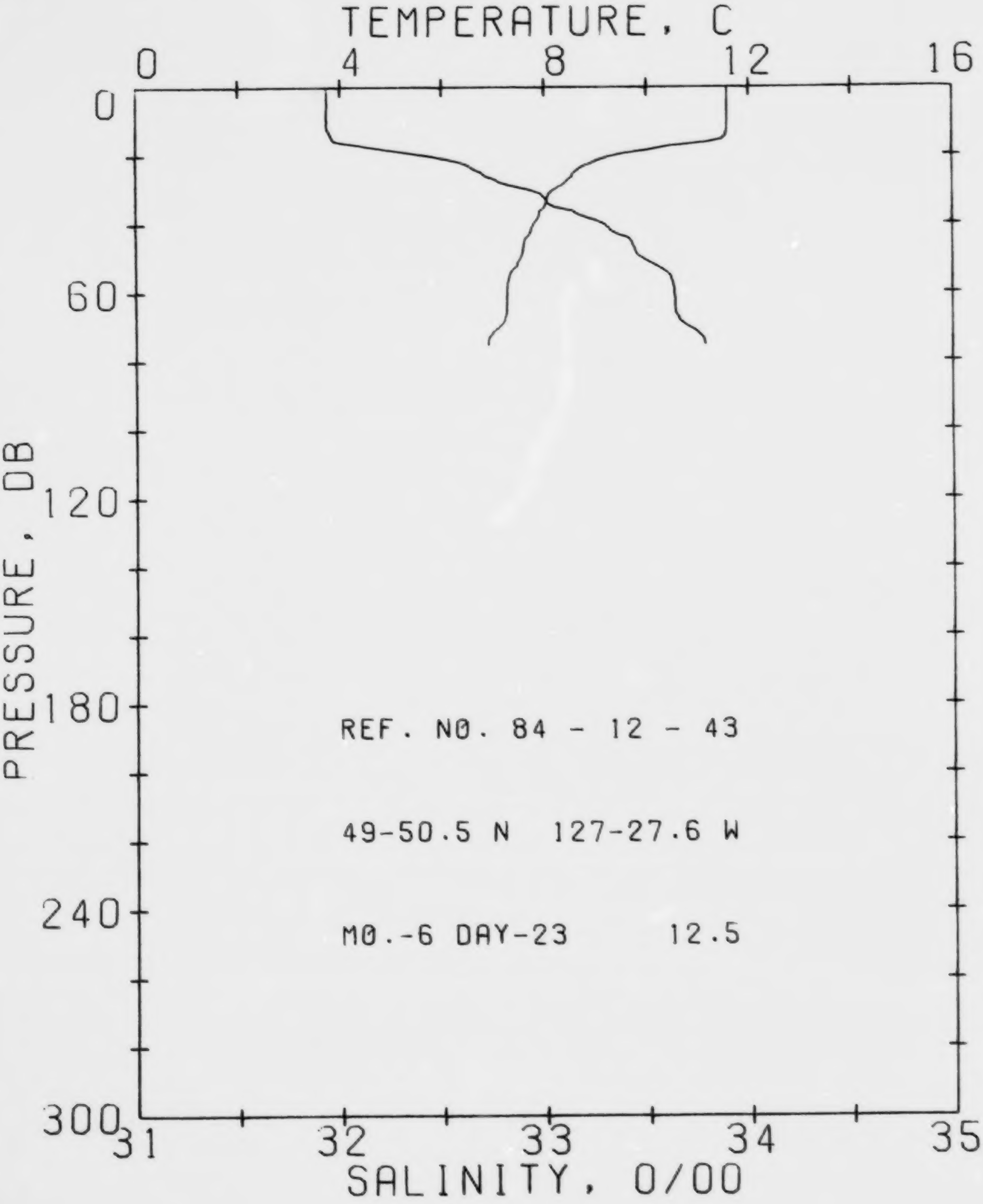
OFFSHORE OCEANOGRAPHY GROUP
RFFERENCE NO. 84-12- 41 DATE 23/ 6/84
POSITION 49-55.5N, 127-18.7W GMT 11.4 STATICN K 1
RESULTS OF STP CAST 37 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	10.40	31.96	0	24.54	340.3	.00	.00	1488.
10	9.76	32.23	10	24.85	310.9	.34	.02	1486.
20	9.13	32.41	20	25.09	288.1	.63	.06	1484.
30	8.56	32.71	30	25.42	257.6	.91	.13	1483.

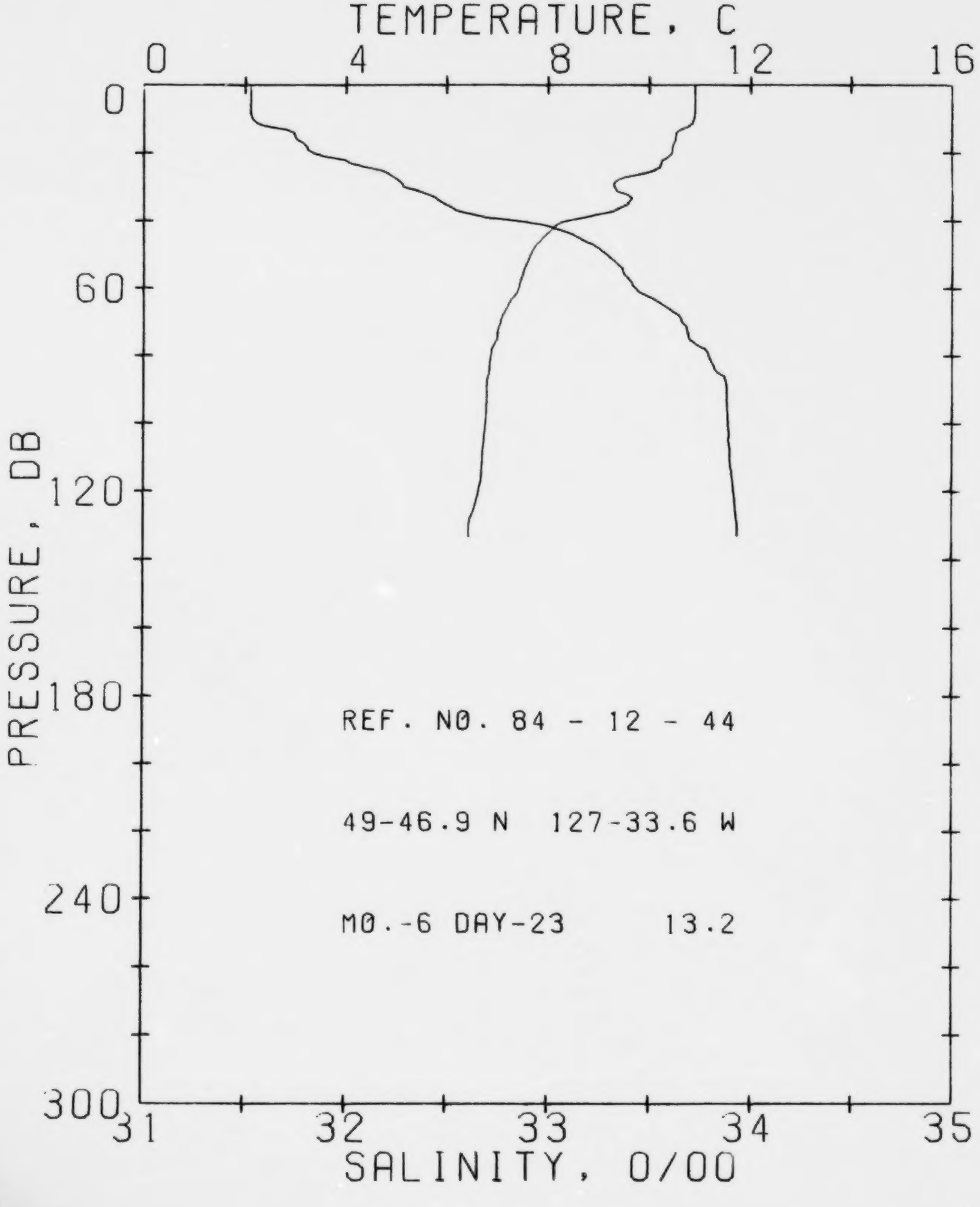
PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		10.40	31.96	19.		9.14	32.40
1.		10.40	31.96	20.		9.13	32.41
2.		10.40	31.96	21.		9.11	32.41
3.		10.47	31.92	22.		9.03	32.43
4.		10.40	31.93	23.		8.94	32.48
5.		10.34	31.94	24.		8.84	32.53
6.		10.34	31.93	25.		8.78	32.56
7.		10.34	31.92	26.		8.71	32.61
8.		10.12	32.06	27.		8.61	32.67
9.		9.90	32.20	28.		8.59	32.68
10.		9.76	32.23	29.		8.57	32.70
11.		9.74	32.21	30.		8.56	32.71
12.		9.70	32.23	31.		8.56	32.72
13.		9.69	32.25	32.		8.54	32.76
14.		9.58	32.29	33.		8.55	32.78
15.		9.30	32.37	34.		8.53	32.79
16.		9.20	32.40	35.		8.49	32.81
17.		9.19	32.40	36.		8.48	32.83
18.		9.17	32.40				


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 42
49-53.9 N 127-21.7 W
MO.-6 DAY-23 11.8
31
32
33
34
35
SALINITY, 0/00

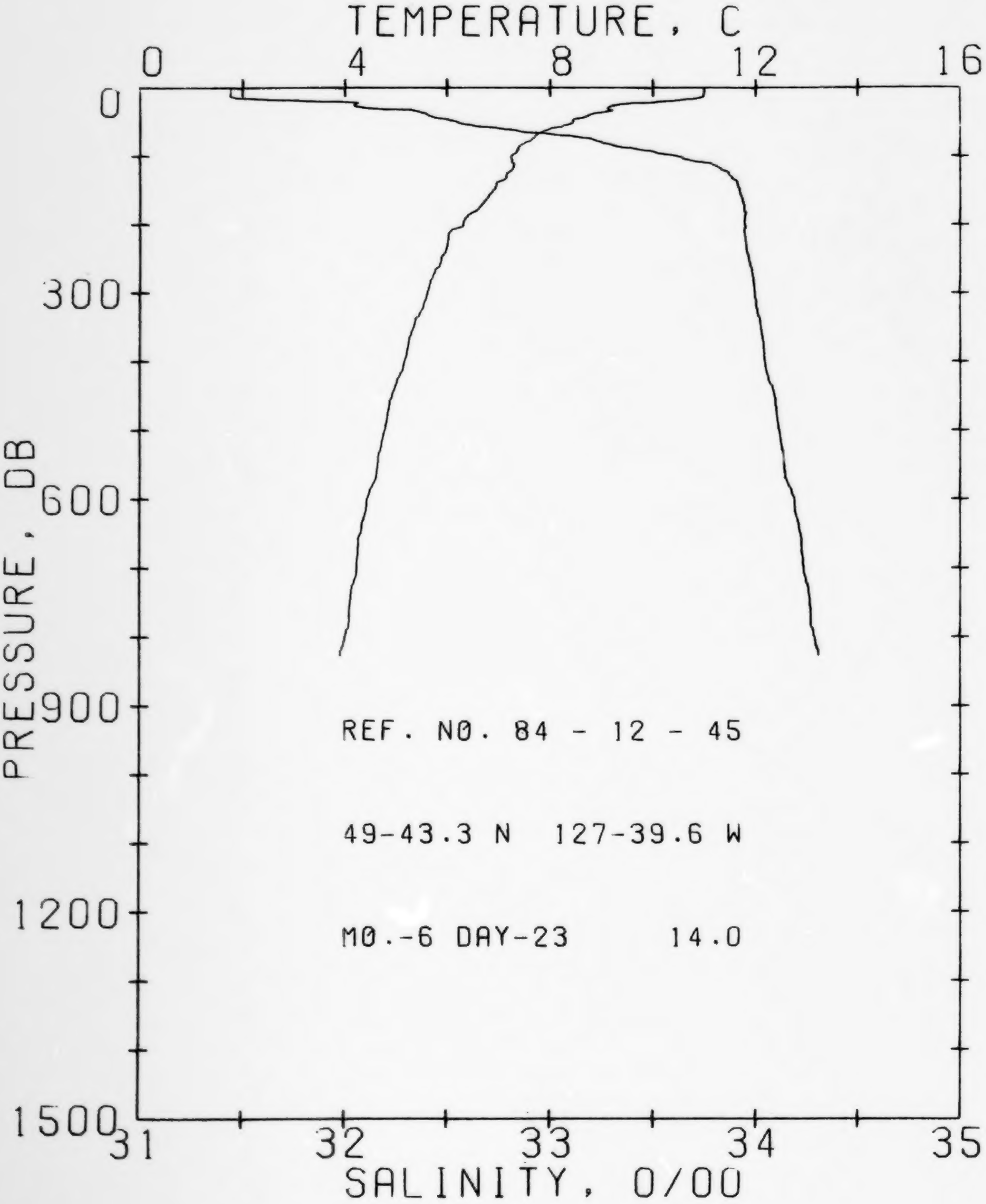
```
OFFSHORF OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 42         DATE 23/ 6/84
POSITION  49-53.9N, 127-21.7W   GMT 11.8       STATION K 2
RESULTS OF STP CAST    70 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    11.60    31.77       0    24.18   374.8     .00      .00   1492.
  10    11.53    31.78      10    24.20   373.0     .38      .02   1492.
  20     9.27    32.47      20    25.08   289.1     .73      .07   1485.
  30     8.59    32.69      30    25.40   259.4    1.00      .14   1483.
  50     8.06    33.11      50    25.80   221.0    1.47      .33   1482.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 43
49-50.5 N 127-27.6 W
MO.-6 DAY-23 12.5
31
32
33
34
35
SALINITY, 0/00

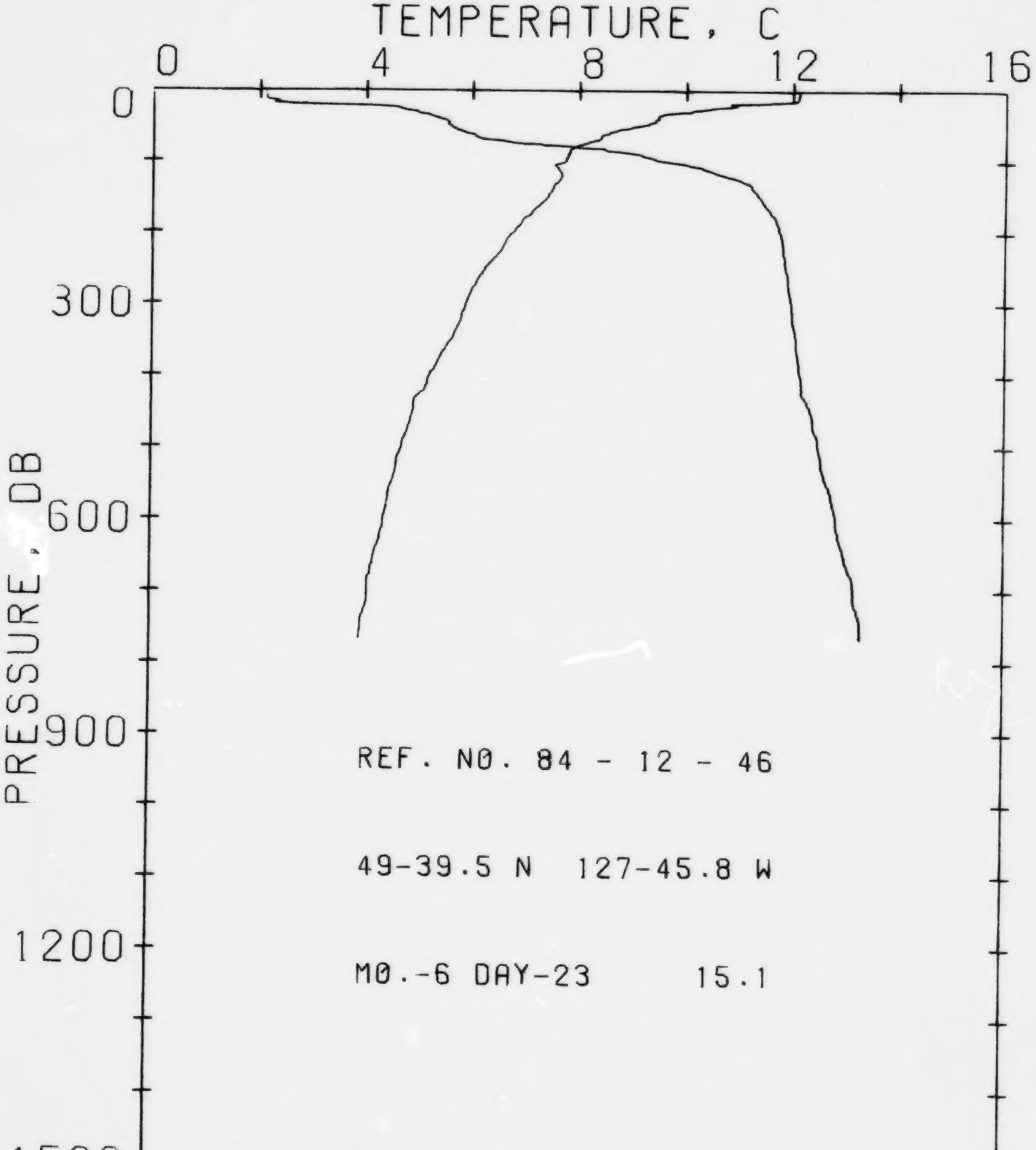
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 43          DATE 23/ 6/84
POSITION  49-50.5N, 127-27.6W   GMT 12.5       STATION K 3
RESULTS OF STP CAST     76 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA    SVA    DELTA    POT.    SOUND
                                      T               D       EN
    0   11.58    31.94       0     24.31   362.0     .00     .00   1492.
   10   11.58    31.94      10     24.31   362.1     .36     .02   1492.
   20    9.28    32.43      20     25.09   288.7     .71     .07   1485.
   30    8.17    32.93      30     25.65   235.7     .97     .14   1481.
   50    7.53    33.48      50     26.17   185.8    1.38     .30   1480.
   75    6.90    33.79      75     26.50   155.3    1.80     .57   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 44
49-46.9 N 127-33.6 W
MO.-6 DAY-23 13.2

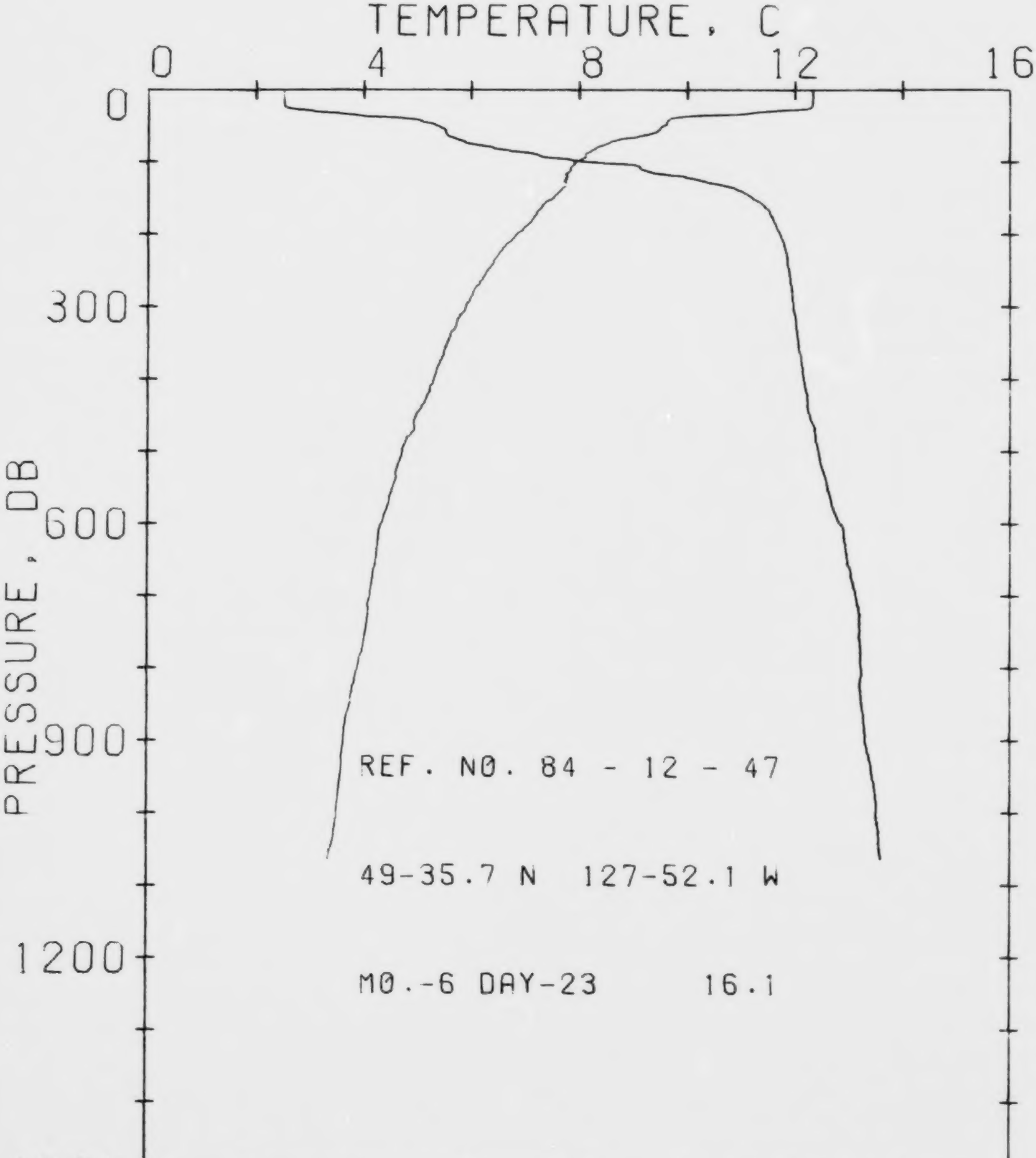
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 44          DATE 23/ 6/84
POSITION  49-46.9N, 127-33.6W    GMT 13.2       STATICN K 4
RESULTS OF STP CAST   134 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    10.90    31.53      0    24.12   380.7     .00     .00   1489.
  10    10.89    31.54     10    24.13   379.9     .38     .02   1489.
  20    10.44    31.84     20    24.44   350.4     .74     .07   1488.
  30     9.31    32.29     30    24.97   300.0    1.06     .16   1485.
  50     7.66    33.30     50    26.01   201.5    1.56     .36   1480.
  75     7.00    33.70     75    26.42   163.2    2.01     .64   1479.
 100     6.77    33.89     99    26.60   146.3    2.39     .98   1478.
 125     6.55    33.92    124    26.65   141.2    2.75    1.39   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 45
49-43.3 N 127-39.6 W
MO.-6 DAY-23 14.0

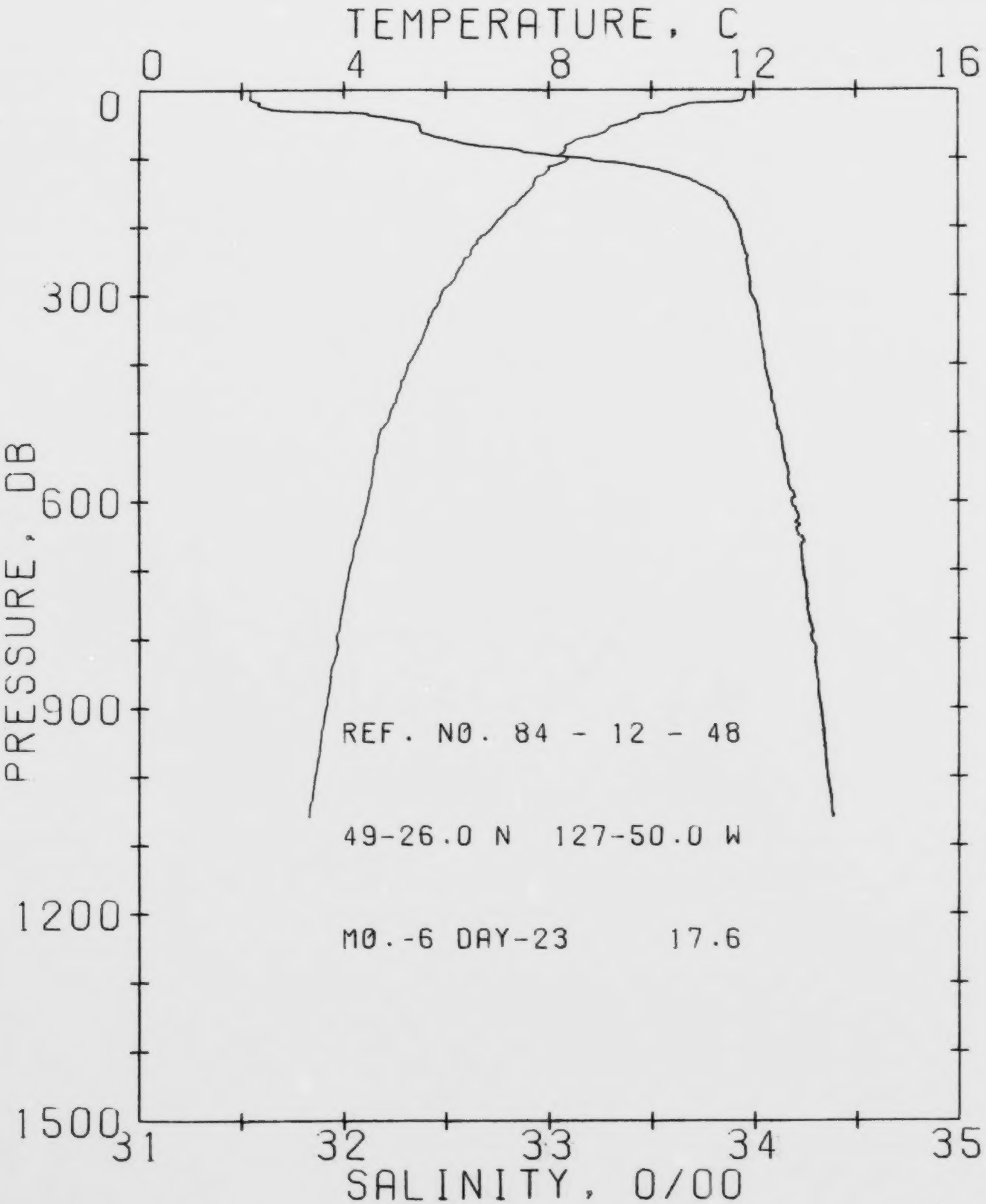
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 45          DATE 23/ 6/84
POSITION   49-43.3N, 127-39.6W    GMT 14.0        STATION K  5
RESULTS OF STP CAST   805 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA    DELTA     POT.    SOUND
                                       T                D        EN
    0    11.00    31.44        0     24.04   388.5      .00      .00    1489.
   10    10.99    31.44       10     24.03   388.9      .39      .02    1490.
   20    10.09    31.91       20     24.55   339.5      .76      .08    1487.
   30     9.10    32.13       30     24.88   308.6     1.08      .16    1484.
   50     8.46    32.55       50     25.31   268.0     1.65      .39    1482.
   75     7.66    33.21       75     25.94   208.1     2.24      .76    1481.
  100     7.24    33.64       99     26.33   171.3     2.72     1.19    1480.
  125     7.18    33.87      124     26.53   153.3     3.13     1.65    1480.
  150     6.90    33.92      149     26.61   146.3     3.50     2.17    1480.
  175     6.64    33.94      174     26.66   141.6     3.86     2.77    1479.
  200     6.33    33.95      199     26.70   137.6     4.21     3.43    1478.
  225     6.03    33.95      223     26.75   133.7     4.54     4.16    1477.
  250     5.90    33.97      248     26.77   131.4     4.87     4.96    1477.
  300     5.62    34.00      298     26.83   126.4     5.52     6.76    1477.
  400     5.17    34.05      397     26.92   118.3     6.74    11.11    1477.
  500     4.78    34.12      496     27.02   109.7     7.87    16.30    1477.
  600     4.43    34.19      595     27.12   101.1     8.93    22.25    1477.
  800     4.01    34.29      793     27.25    90.5    10.85    35.90    1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 84 - 12 - 46
49-39.5 N 127-45.8 W
MO.-6 DAY-23 15.1
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 46          DATE 23/ 6/84
POSITION  49-39.5N, 127-45.8W   GMT 15.1        STATION K 6
RESULTS OF STP CAST   767 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D       EN
    0   12.13   31.53       0    23.90   401.4     .00      .00   1494.
   10   12.11   31.53      10    23.90   401.4     .40      .02   1494.
   20   10.97   31.68      20    24.22   371.3     .79      .08   1490.
   30    9.90   32.25      30    24.84   312.0    1.12      .16   1487.
   50    9.06   32.40      50    25.10   288.1    1.72      .41   1484.
   75    8.09   32.75      75    25.52   248.8    2.40      .84   1482.
  100    7.75   33.42      99    26.09   194.6    2.93     1.31   1482.
  125    7.65   33.75     124    26.37   168.7    3.38     1.82   1482.
  150    7.42   33.85     149    26.48   158.8    3.79     2.39   1482.
  175    7.09   33.91     174    26.57   150.3    4.17     3.03   1481.
  200    6.75   33.94     199    26.64   143.3    4.54     3.73   1480.
  225    6.55   33.96     223    26.68   140.2    4.89     4.50   1480.
  250    6.25   33.97     248    26.73   135.8    5.24     5.33   1479.
  300    5.89   34.00     298    26.80   129.8    5.90     7.19   1478.
  400    5.21   34.04     397    26.91   119.3    7.15    11.65   1477.
  500    4.70   34.12     496    27.04   108.2    8.29    16.83   1477.
  600    4.36   34.21     595    27.14    98.8    9.32    22.62   1477.
```

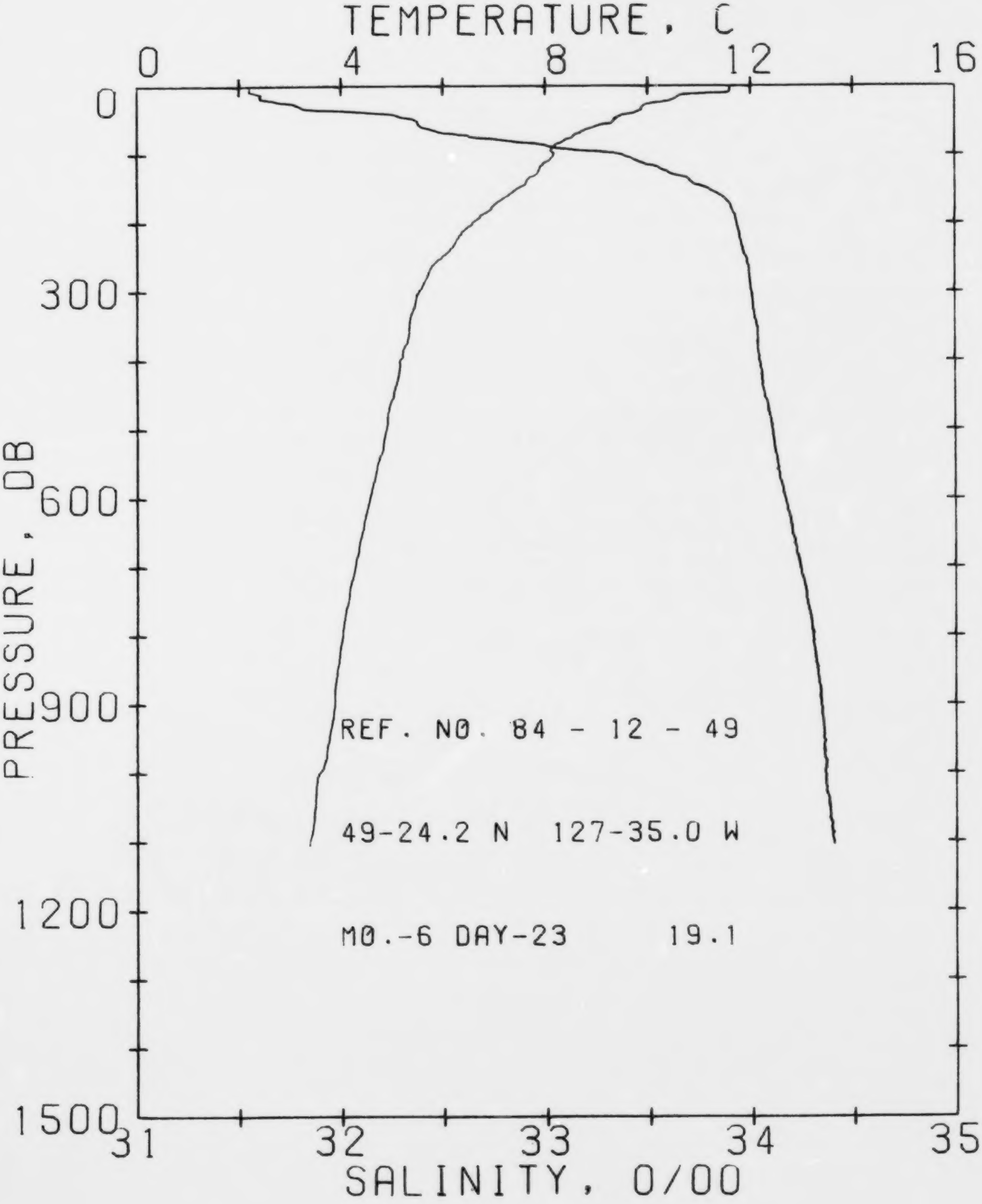

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 47
49-35.7 N 127-52.1 W
MO.-6 DAY-23 16.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFFRENCE NO. 84-12- 47          DATE 23/ 6/84
POSITION  49-35.7N, 127-52.1W    GMT 16.1        STATION K 7
RESULTS OF STP CAST  1064 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                    T                D        EN
    0   12.34   31.63        0    23.94   398.0      .00      .00   1494.
   10   12.34   31.63       10    23.94   398.2      .40      .02   1495.
   20   12.34   31.63       20    23.94   398.2      .80      .08   1495.
   30   11.37   31.77       30    24.22   371.2     1.19      .18   1492.
   50    9.54   32.35       50    24.98   299.4     1.83      .44   1486.
   75    8.51   32.49       75    25.26   273.4     2.55      .90   1483.
  100    7.94   33.06       99    25.78   224.0     3.18     1.45   1482.
  125    7.71   33.56      124    26.21   183.4     3.68     2.03   1482.
  150    7.53   33.80      149    26.43   163.5     4.11     2.63   1482.
  175    7.17   33.90      174    26.55   152.2     4.50     3.27   1481.
  200    6.83   33.93      199    26.62   145.4     4.87     3.99   1480.
  225    6.53   33.96      223    26.69   139.7     5.23     4.76   1479.
  250    6.29   33.97      248    26.73   135.9     5.57     5.59   1479.
  300    5.90   33.99      298    26.79   130.1     6.24     7.45   1478.
  400    5.32   34.04      397    26.90   120.8     7.49    11.90   1478.
  500    4.72   34.11      496    27.03   109.2     8.64    17.17   1477.
  600    4.33   34.22      595    27.15    98.1     9.68    23.02   1477.
  800    3.90   34.31      793    27.27    88.1    11.53    36.15   1479.
 1000    3.52   34.38      991    27.37    79.7    13.20    51.51   1480.
```

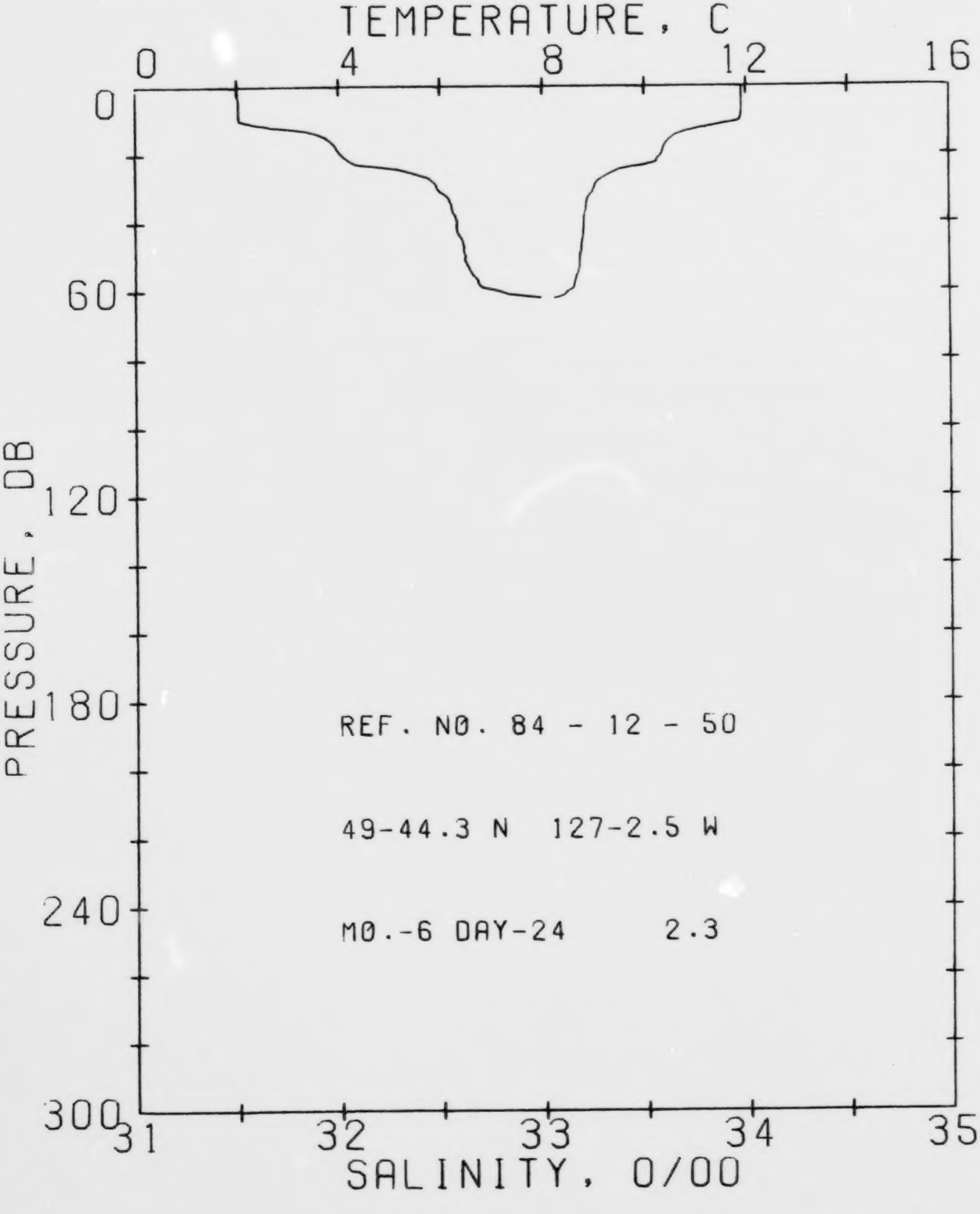

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 48
49-26.0 N 127-50.0 W
MO.-6 DAY-23 17.6

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 48 DATE 23/ 6/84
POSITION 49-26.0N, 127-50.0W GMT 17.6 STATION K8A
RESULTS OF STP CAST 1059 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

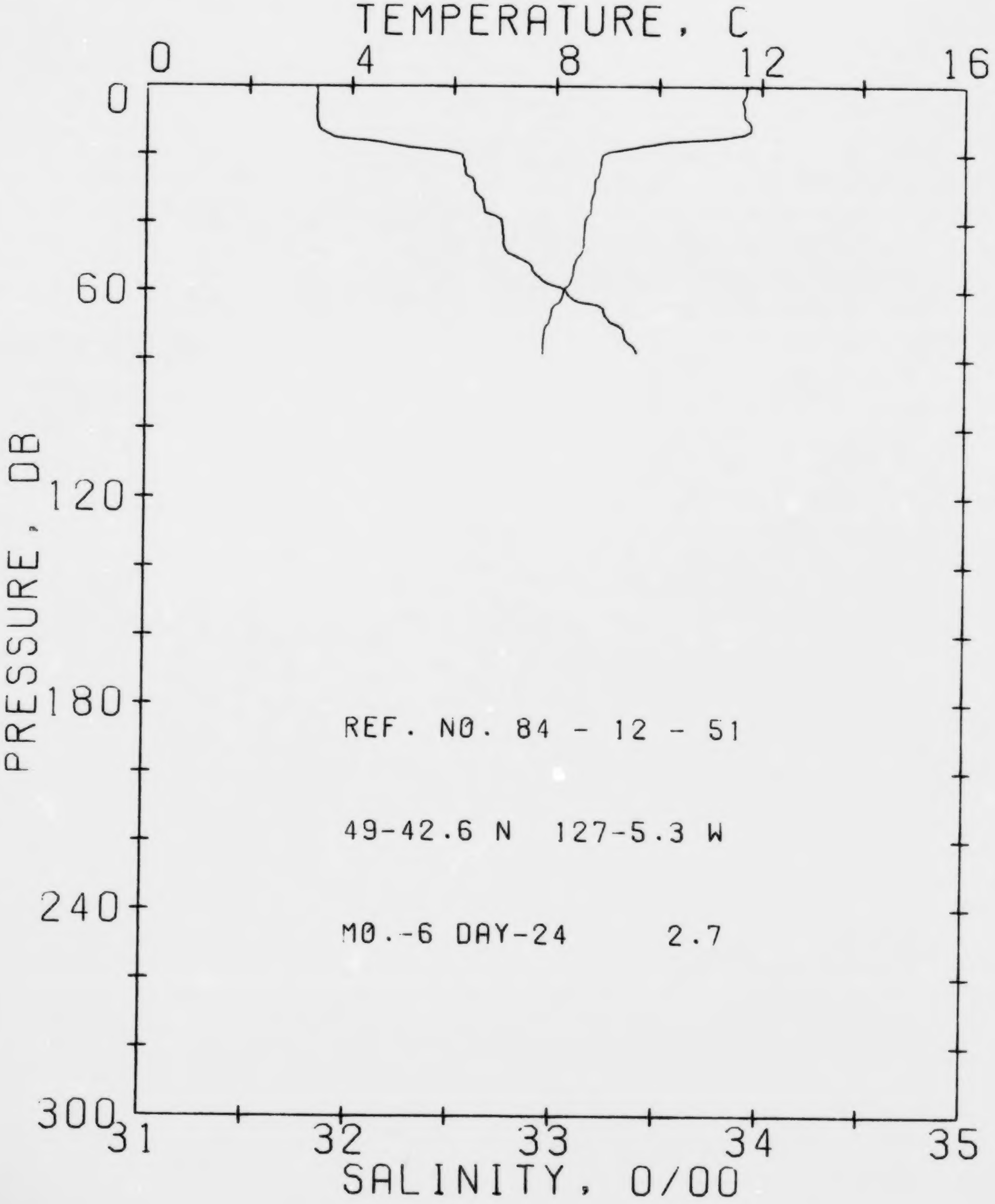
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	11.84	31.55	0	23.96	395.4	.00	.00	1493.
10	11.83	31.54	10	23.96	395.5	.40	.02	1493.
20	10.73	31.58	20	24.19	374.3	.78	.08	1489.
30	10.32	31.70	30	24.35	358.8	1.15	.17	1488.
50	9.34	32.37	50	25.03	294.7	1.78	.43	1485.
75	8.49	32.56	75	25.31	268.0	2.50	.88	1483.
100	8.37	33.21	99	25.83	218.9	3.11	1.43	1484.
125	7.79	33.64	124	26.26	178.9	3.60	1.99	1482.
150	7.57	33.82	149	26.43	162.8	4.03	2.59	1482.
175	7.18	33.89	174	26.54	152.8	4.42	3.24	1481.
200	6.91	33.93	199	26.61	146.6	4.80	3.95	1481.
225	6.57	33.94	223	26.66	141.7	5.16	4.73	1480.
250	6.34	33.96	248	26.71	137.3	5.50	5.57	1479.
300	5.88	34.00	298	26.80	129.7	6.17	7.44	1478.
400	5.26	34.06	397	26.92	118.7	7.41	11.86	1477.
500	4.69	34.13	496	27.04	107.6	8.55	17.07	1477.
600	4.46	34.18	595	27.11	102.5	9.60	22.93	1477.
800	3.84	34.28	793	27.25	89.5	11.49	36.39	1478.
1000	3.44	34.36	991	27.35	80.7	13.18	51.88	1480.


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 49
49-24.2 N 127-35.0 W
MO.-6 DAY-23 19.1

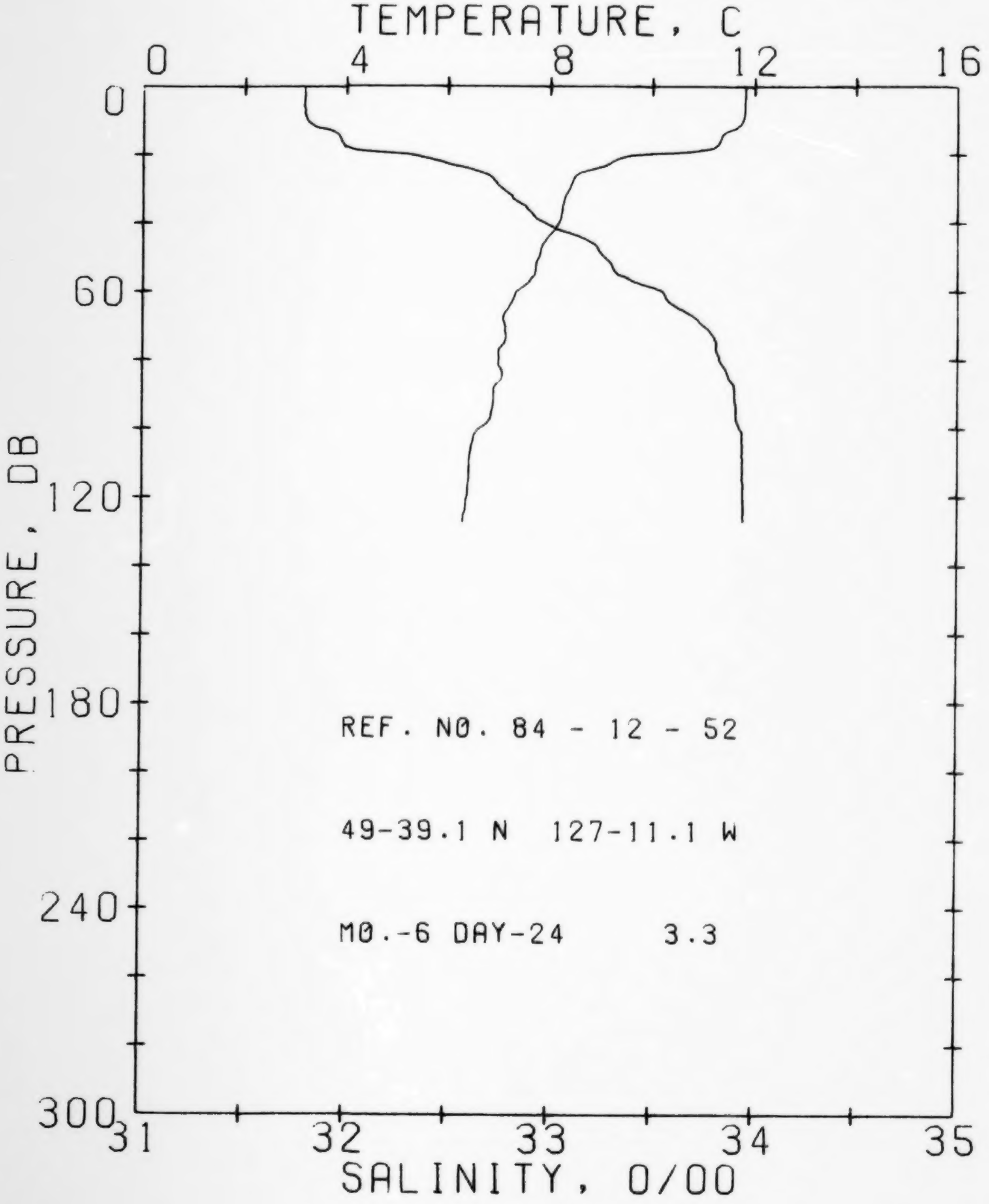
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 49        DATE 23/ 6/84
POSITION  49-24.2N, 127-35.0W   GMT 19.1       STATION J 7
RESULTS OF STP CAST  1105 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D       EN
    0   11.61   31.55       0    24.01   390.8      .00      .00    1492.
   10   11.27   31.58      10    24.09   383.2      .39      .02    1491.
   20   10.46   31.64      20    24.28   365.6      .76      .08    1488.
   30    9.89   31.80      30    24.50   344.7     1.11      .17    1486.
   50    9.35   32.37      50    25.03   294.7     1.75      .42    1485.
   75    8.53   32.64      75    25.37   262.9     2.45      .87    1483.
  100    8.17   33.38      99    26.00   203.4     3.03     1.38    1483.
  125    7.87   33.60     124    26.22   183.1     3.51     1.93    1483.
  150    7.45   33.80     149    26.43   162.8     3.95     2.54    1482.
  175    6.98   33.90     174    26.58   149.0     4.33     3.18    1480.
  200    6.59   33.93     199    26.66   142.1     4.70     3.88    1479.
  225    6.27   33.95     223    26.71   137.0     5.05     4.63    1478.
  250    5.98   33.98     248    26.77   131.6     5.38     5.45    1478.
  300    5.54   34.00     298    26.85   124.9     6.02     7.23    1477.
  400    5.14   34.04     397    26.92   118.6     7.24    11.57    1477.
  500    4.88   34.10     496    27.00   111.9     8.39    16.85    1477.
  600    4.55   34.17     595    27.09   104.1     9.47    22.92    1478.
  800    4.01   34.30     793    27.25    89.8    11.40    36.63    1479.
 1000    3.54   34.36     991    27.34    81.8    13.12    52.37    1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 50
49-44.3 N 127-2.5 W
MO.-6 DAY-24 2.3

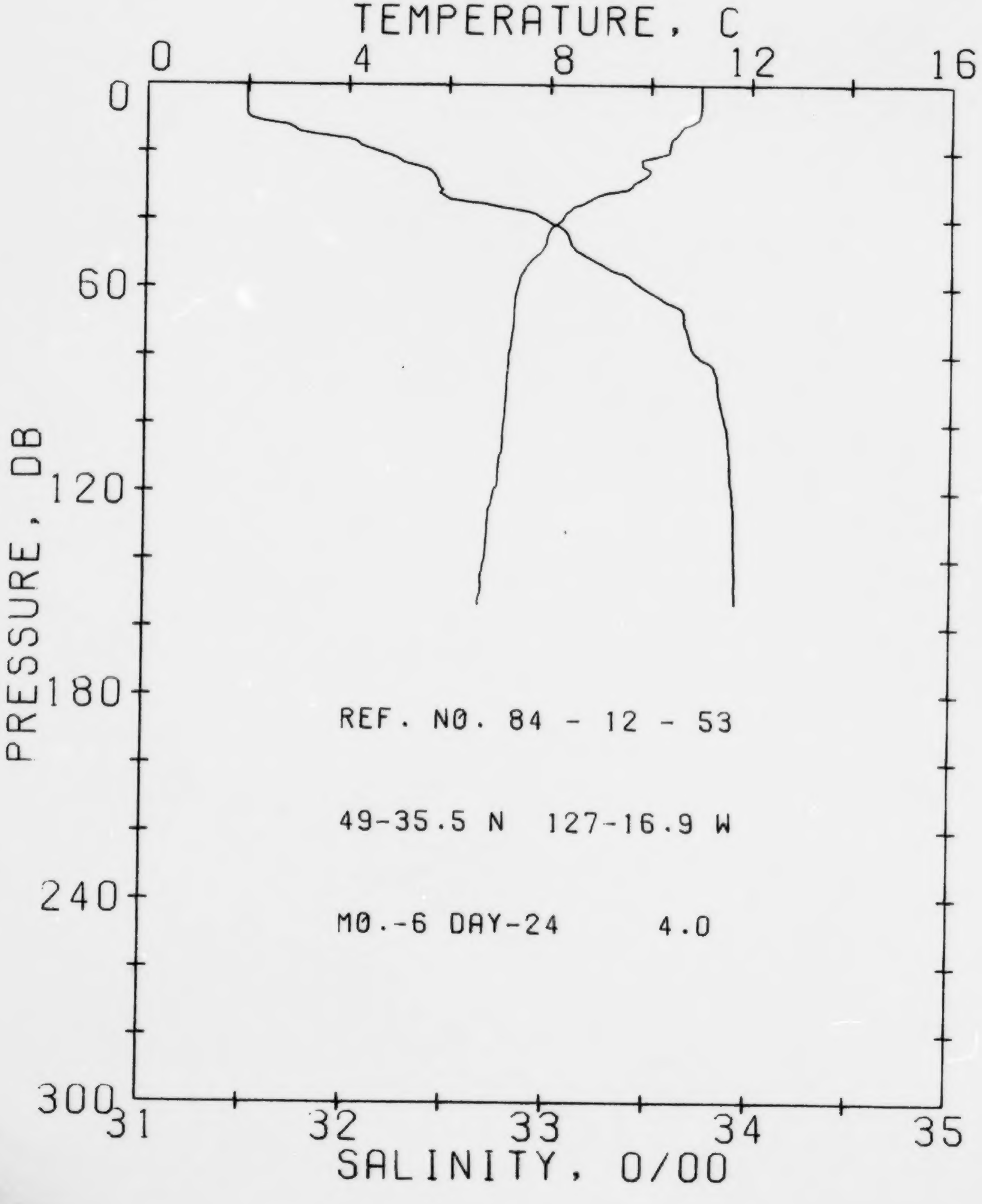
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 50          DATE 24/ 6/84
POSITION  49-44.3N, 127- 2.5W    GMT  2.3        STATION J 1
RESULTS OF STP CAST    63 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0    11.93    31.51      0    23.92   399.8    .00     .00   1493.
  10    11.88    31.51     10    23.93   398.7    .40     .02   1493.
  20    10.33    32.01     20    24.59   335.9    .75     .07   1488.
  30     9.01    32.48     30    25.17   280.7   1.06     .15   1484.
  50     8.73    32.63     50    25.33   266.4   1.60     .37   1483.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 51
49-42.6 N 127-5.3 W
MO.-6 DAY-24 2.7
31
32
33
34
35
SALINITY, 0/00

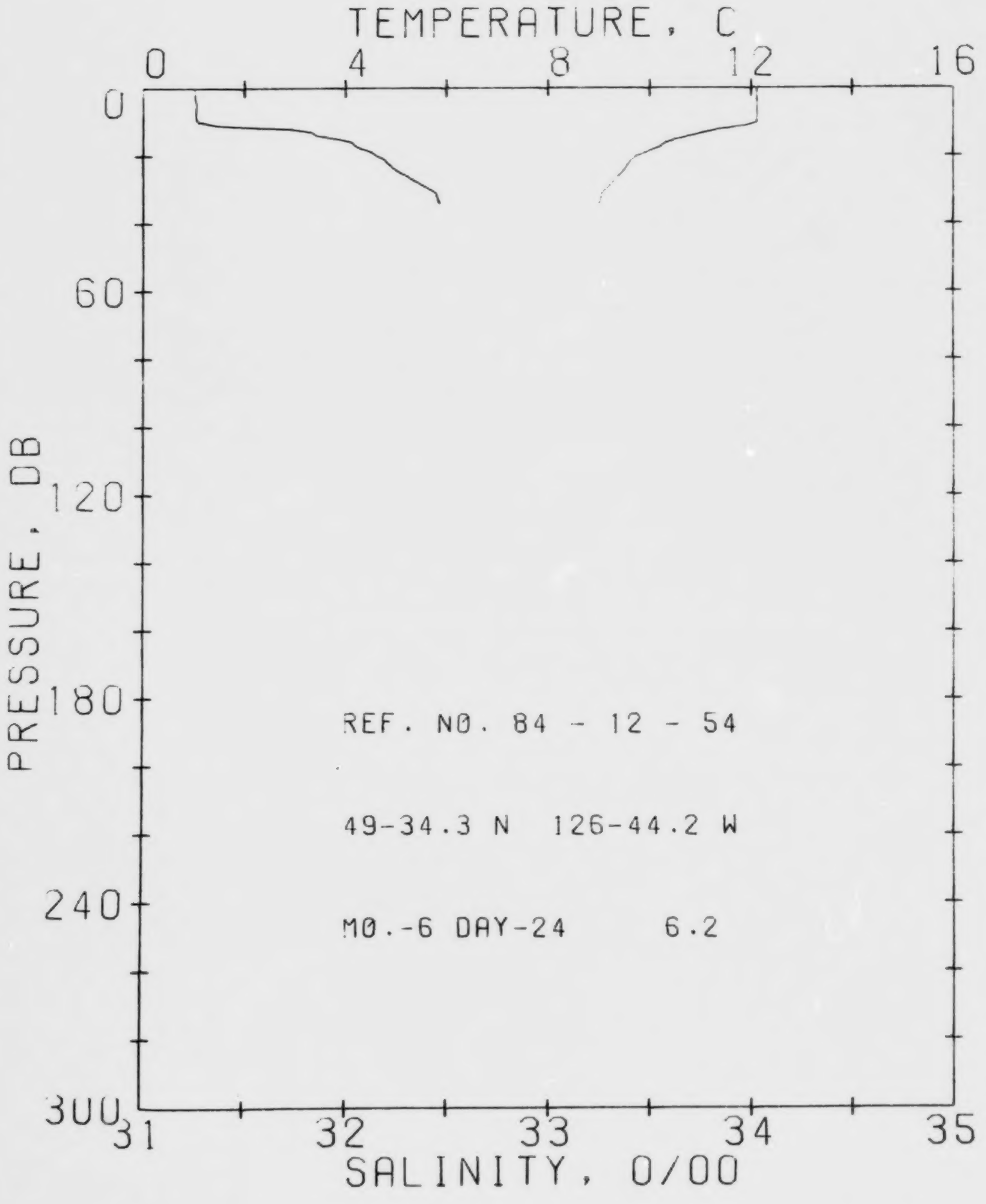
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 51        DATE 24/ 6/84
POSITION  49-42.6N, 127- 5.3W   GMT  2.7      STATION J 2
RESULTS OF STP CAST     79 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    11.71    31.83      0    24.21   372.0     .00     .00   1492.
  10    11.75    31.83     10    24.20   373.0     .37     .02   1493.
  20     8.90    32.54     20    25.23   274.6     .71     .07   1483.
  30     8.76    32.60     30    25.30   268.3     .98     .14   1483.
  50     8.43    32.81     50    25.52   248.2    1.50     .35   1483.
  75     7.75    33.35     75    26.04   198.9    2.05     .70   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 52
49-39.1 N 127-11.1 W
MO.-6 DAY-24 3.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 52        DATE 24/ 6/84
POSITION  49-39.1N, 127-11.1W   GMT  3.3      STATION J 3
RESULTS OF STP CAST    128 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    11.82    31.80      0    24.16   376.6     .00     .00    1493.
  10    11.78    31.81     10    24.18   375.0     .38     .02    1493.
  20     9.62    32.30     20    24.94   303.1     .73     .07    1486.
  30     8.39    32.77     30    25.49   250.6    1.00     .14    1482.
  50     7.78    33.26     50    25.97   205.5    1.46     .33    1481.
  75     7.12    33.81     75    26.49   156.1    1.90     .61    1479.
 100     6.61    33.93     99    26.65   141.2    2.28     .94    1478.
 125     6.32    33.95    124    26.70   136.5    2.62    1.33    1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. N0. 84 - 12 - 53
49-35.5 N 127-16.9 W
M0.-6 DAY-24 4.0
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 53         DATE 24/ 6/84
POSITION  49-35.5N, 127-16.9W   GMT  4.0       STATION J 4
RESULTS OF STP CAST   154 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
    0   11.00   31.49       0    24.08   384.7     .00      .00   1490.
   10   10.95   31.52      10    24.10   382.3     .38      .02   1490.
   20   10.37   32.17      20    24.70   325.1     .73      .07   1488.
   30    9.64   32.45      30    25.05   292.7    1.04      .15   1486.
   50    7.81   33.17      50    25.89   213.1    1.52      .34   1481.
   75    7.27   33.70      75    26.38   166.9    1.98      .63   1480.
  100    7.12   33.88      99    26.54   151.8    2.37      .98   1480.
  125    6.83   33.92     124    26.61   145.1    2.74     1.41   1479.
  150    6.68   33.93     149    26.64   142.9    3.10     1.91   1479.
```

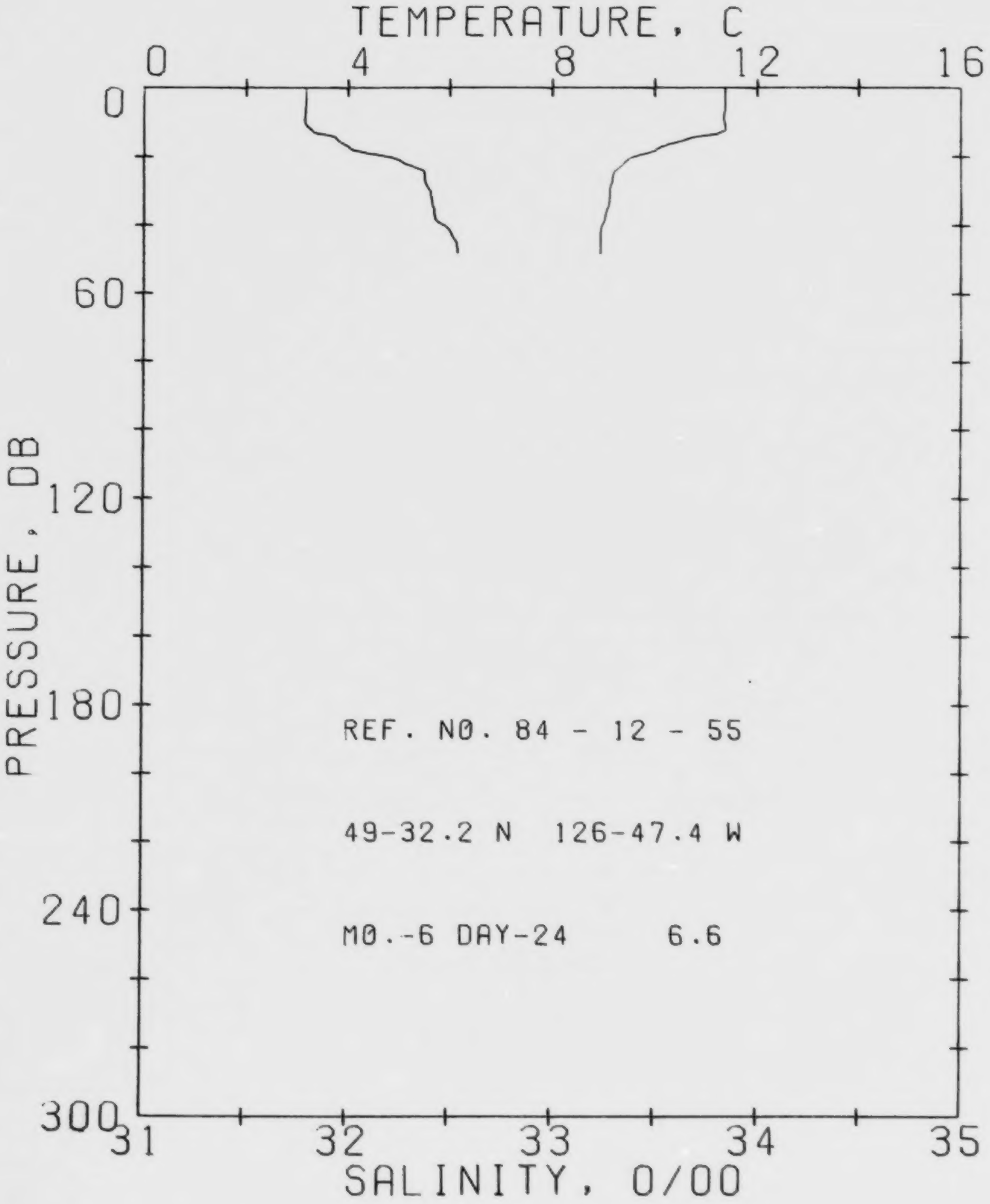


REF. NO. 84 - 12 - 54

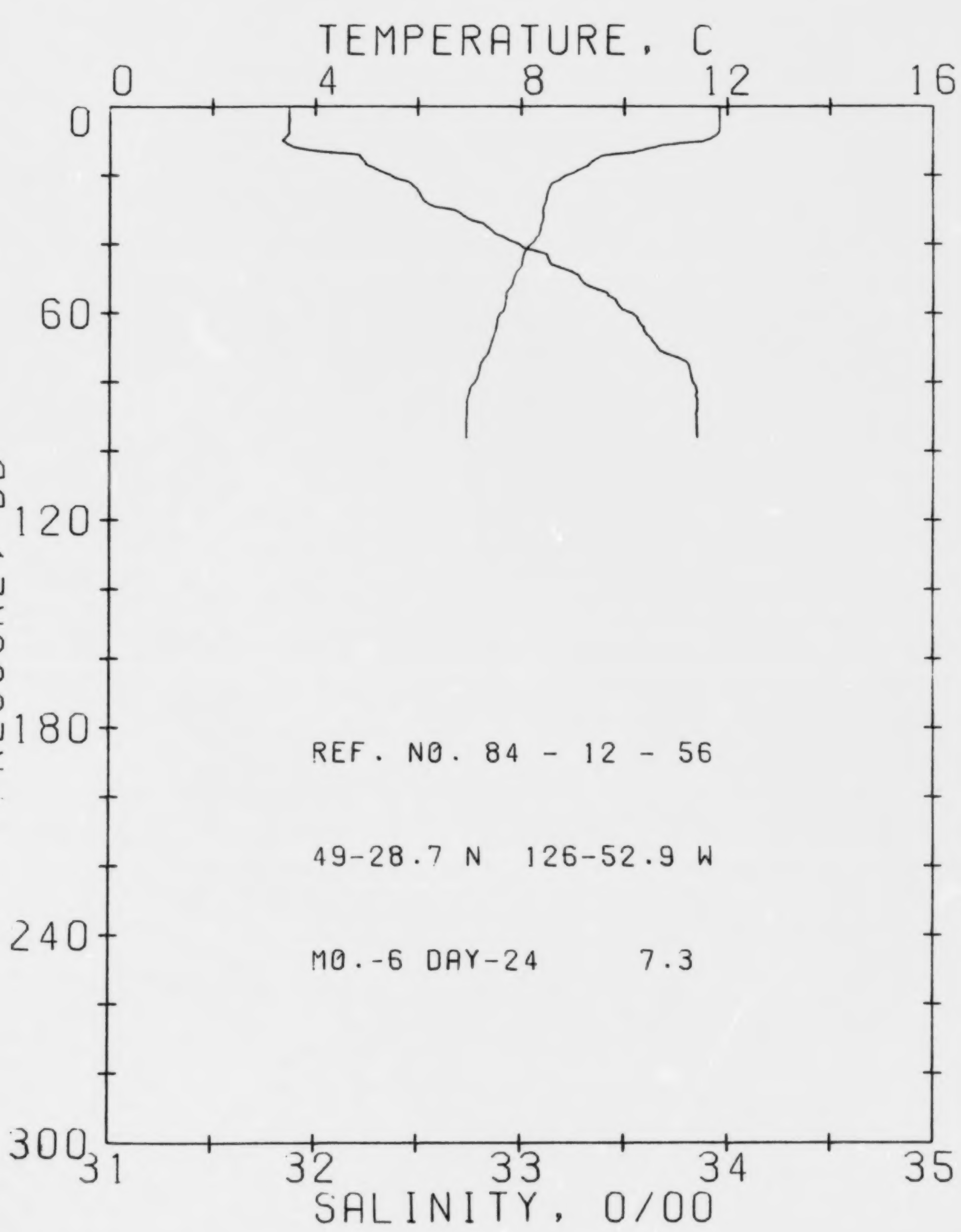
49-34.3 N 126-44.2 W

MO.-6 DAY-24 6.2

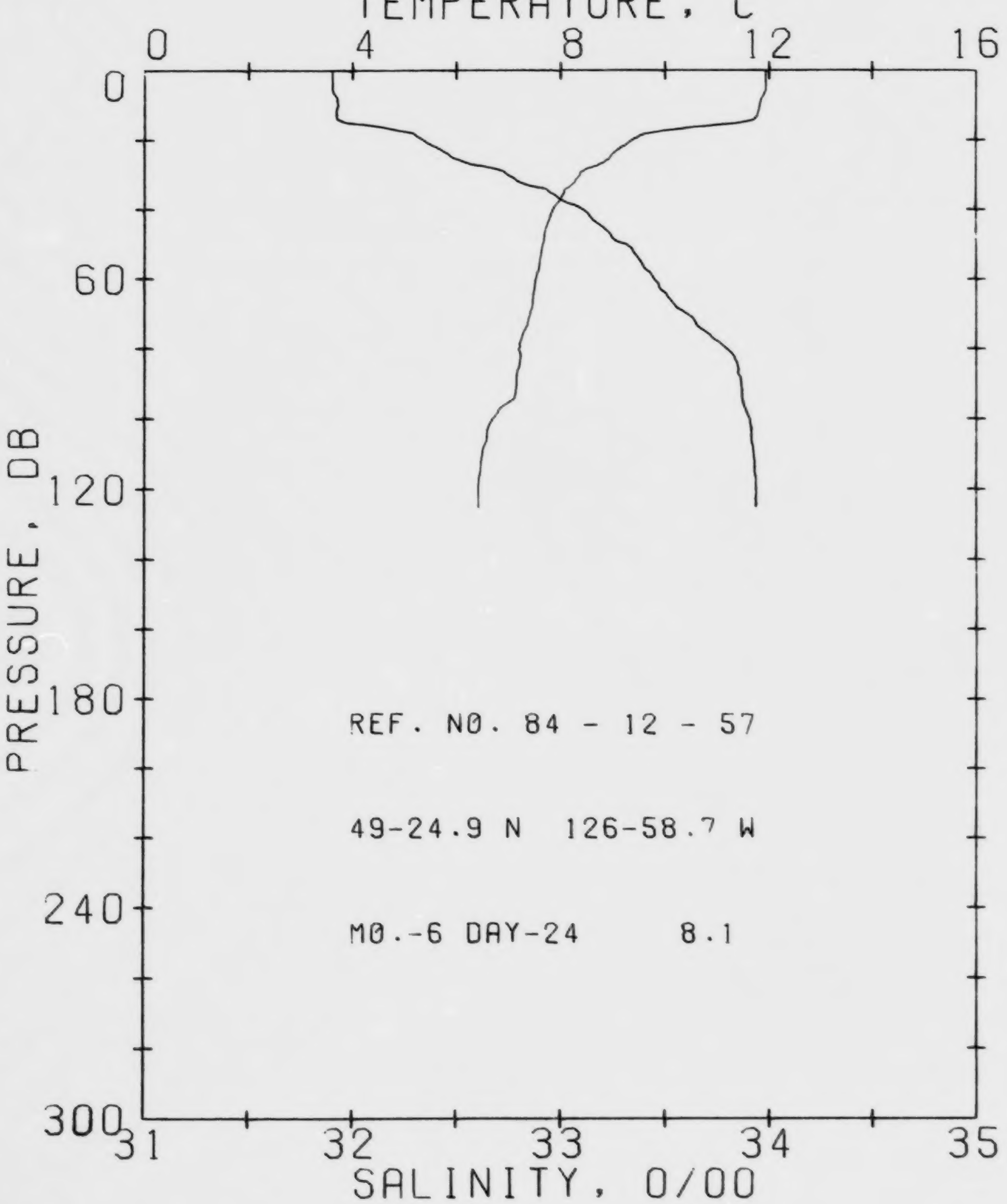
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 54         DATE 24/ 6/84
POSITION  49-34.3N, 126-44.2W   GMT  6.2       STATION H 1
RESULTS OF STP CAST    35 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    12.13    31.26       0    23.69   421.5     .00     .00   1493.
  10    12.12    31.28      10    23.71   420.2     .42     .02   1493.
  20     9.74    32.16      20    24.80   315.8     .77     .07   1486.
  30     9.12    32.43      30    25.11   286.7    1.07     .15   1484.

 PRES   DEPTH       TEMP     SAL       PRES   DEPTH       TEMP     SAL

  0.                12.13    31.26      18.               10.07    32.09
  1.                12.13    31.26      19.                9.90    32.14
  2.                12.13    31.26      20.                9.74    32.16
  3.                12.13    31.26      21.                9.65    32.20
  4.                12.13    31.26      22.                9.61    32.21
  5.                12.13    31.27      23.                9.55    32.23
  6.                12.13    31.26      24.                9.52    32.25
  7.                12.13    31.26      25.                9.46    32.27
  8.                12.13    31.26      26.                9.37    32.31
  9.                12.13    31.26      27.                9.33    32.33
 10.                12.12    31.28      28.                9.26    32.36
 11.                11.87    31.39      29.                9.20    32.39
 12.                11.37    31.74      30.                9.12    32.43
 13.                11.06    31.84      31.                9.06    32.45
 14.                10.78    31.86      32.                9.06    32.46
 15.                10.50    31.97      33.                9.03    32.46
 16.                10.32    32.04      34.                9.01    32.47
 17.                10.22    32.05
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 55
49-32.2 N 126-47.4 W
MO.-6 DAY-24 6.6
31
32
33
34
35
SALINITY, O/OO

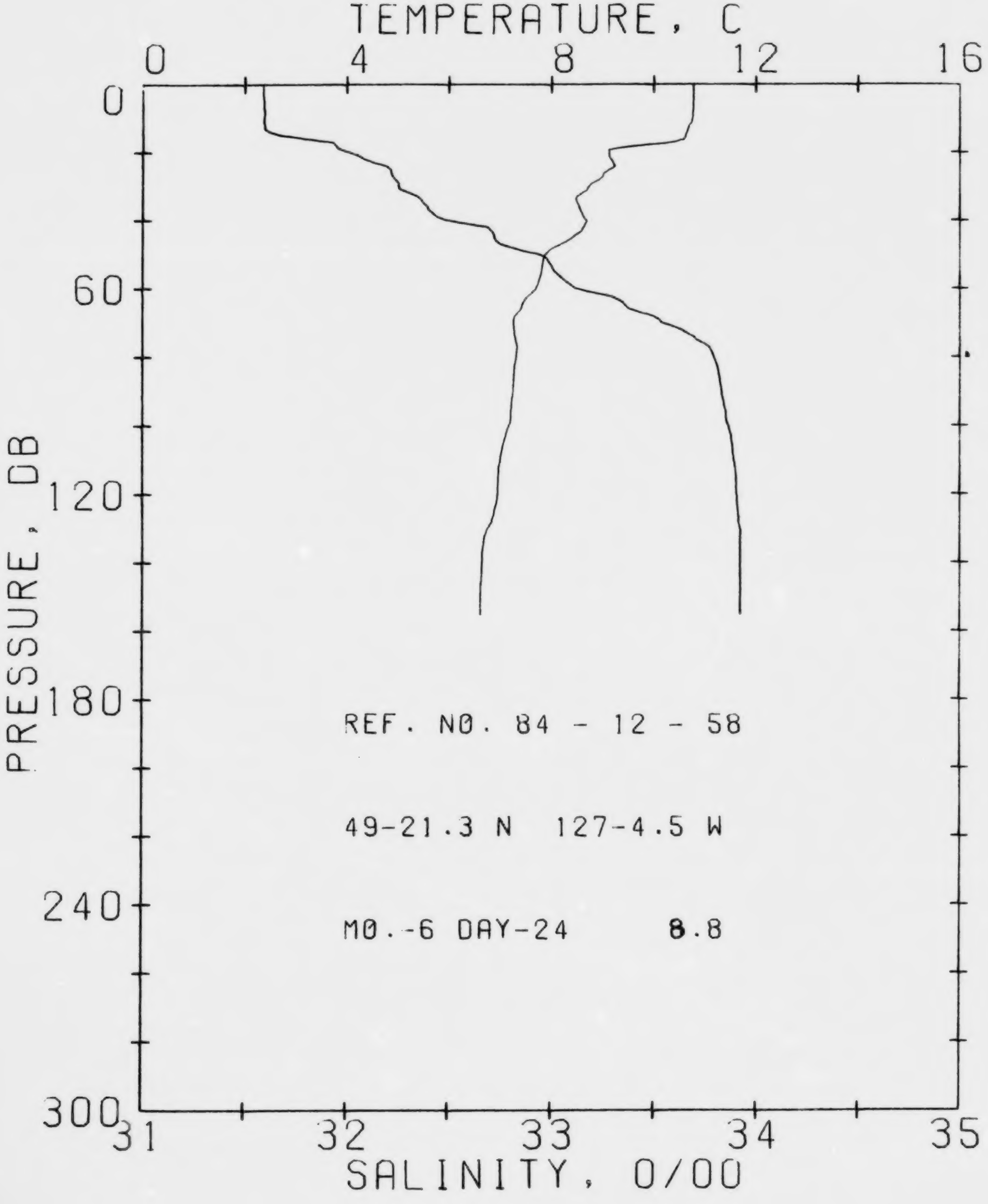
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 55          DATE 24/ 6/84
POSITION  49-32.2N, 126-47.4W   GMT  6.6       STATION H 2
RESULTS OF STP CAST     49 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    11.38    31.80       0    24.24   368.9     .00     .00   1491.
  10    11.36    31.79      10    24.24   369.4     .37     .02   1491.
  20     9.54    32.21      20    24.88   308.8     .71     .07   1485.
  30     9.12    32.41      30    25.09   288.3    1.01     .15   1484.
  50     8.94    32.54      50    25.23   275.7    1.57     .37   1484.

PRES  DEPTH       TEMP     SAL       PRES  DEPTH       TEMP     SAL

  0.             11.38   31.80        25.              9.19   32.38
  1.             11.38   31.80        26.              9.18   32.38
  2.             11.38   31.80        27.              9.18   32.38
  3.             11.38   31.80        28.              9.14   32.38
  4.             11.38   31.80        29.              9.12   32.39
  5.             11.37   31.79        30.              9.12   32.41
  6.             11.37   31.79        31.              9.12   32.41
  7.             11.36   31.79        32.              9.12   32.41
  8.             11.34   31.79        33.              9.12   32.41
  9.             11.34   31.79        34.              9.11   32.41
 10.             11.36   31.79        35.              9.06   32.42
 11.             11.39   31.80        36.              9.05   32.42
 12.             11.38   31.82        37.              9.04   32.42
 13.             11.24   31.84        38.              9.03   32.43
 14.             10.76   31.94        39.              9.00   32.44
 15.             10.55   31.95        40.              8.96   32.48
 16.             10.29   31.97        41.              8.95   32.49
 17.             10.10   32.00        42.              8.94   32.51
 18.             10.02   32.02        43.              8.94   32.51
 19.              9.76   32.11        44.              8.94   32.52
 20.              9.54   32.21        45.              8.95   32.53
 21.              9.44   32.26        46.              8.95   32.53
 22.              9.39   32.28        47.              8.94   32.54
 23.              9.30   32.33        48.              8.94   32.54
 24.              9.22   32.37
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 56
49-28.7 N 126-52.9 W
MO.-6 DAY-24 7.3

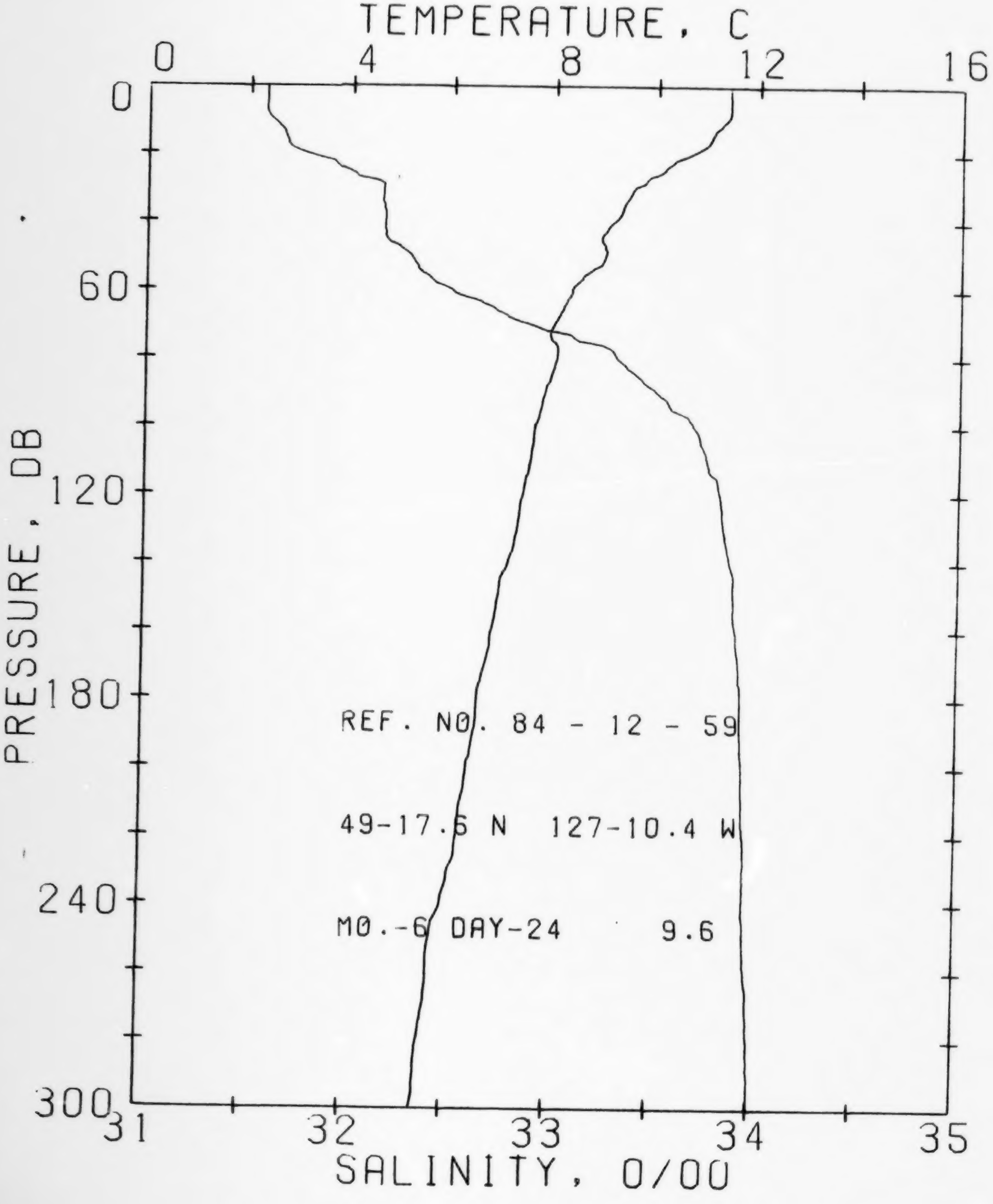
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 56          DATE 24/ 6/84
POSITION  49-28.7N, 126-52.9W   GMT  7.3        STATION H 3
RESULTS OF STP CAST     97 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA    DELTA     POT.    SOUND
                                       T                 D       EN
    0    11.85    31.87        0     24.22   371.3      .00      .00   1493.
   10    11.54    31.84       10     24.24   368.8      .37      .02   1492.
   20     8.86    32.37       20     25.11   286.8      .69      .07   1483.
   30     8.42    32.68       30     25.42   257.4      .96      .14   1482.
   50     7.87    33.29       50     25.97   204.9     1.42      .32   1481.
   75     7.21    33.81       75     26.48   157.3     1.88      .61   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 57
49-24.9 N 126-58.7 W
MO.-6 DAY-24 8.1
31
32
33
34
35
SALINITY, 0/00

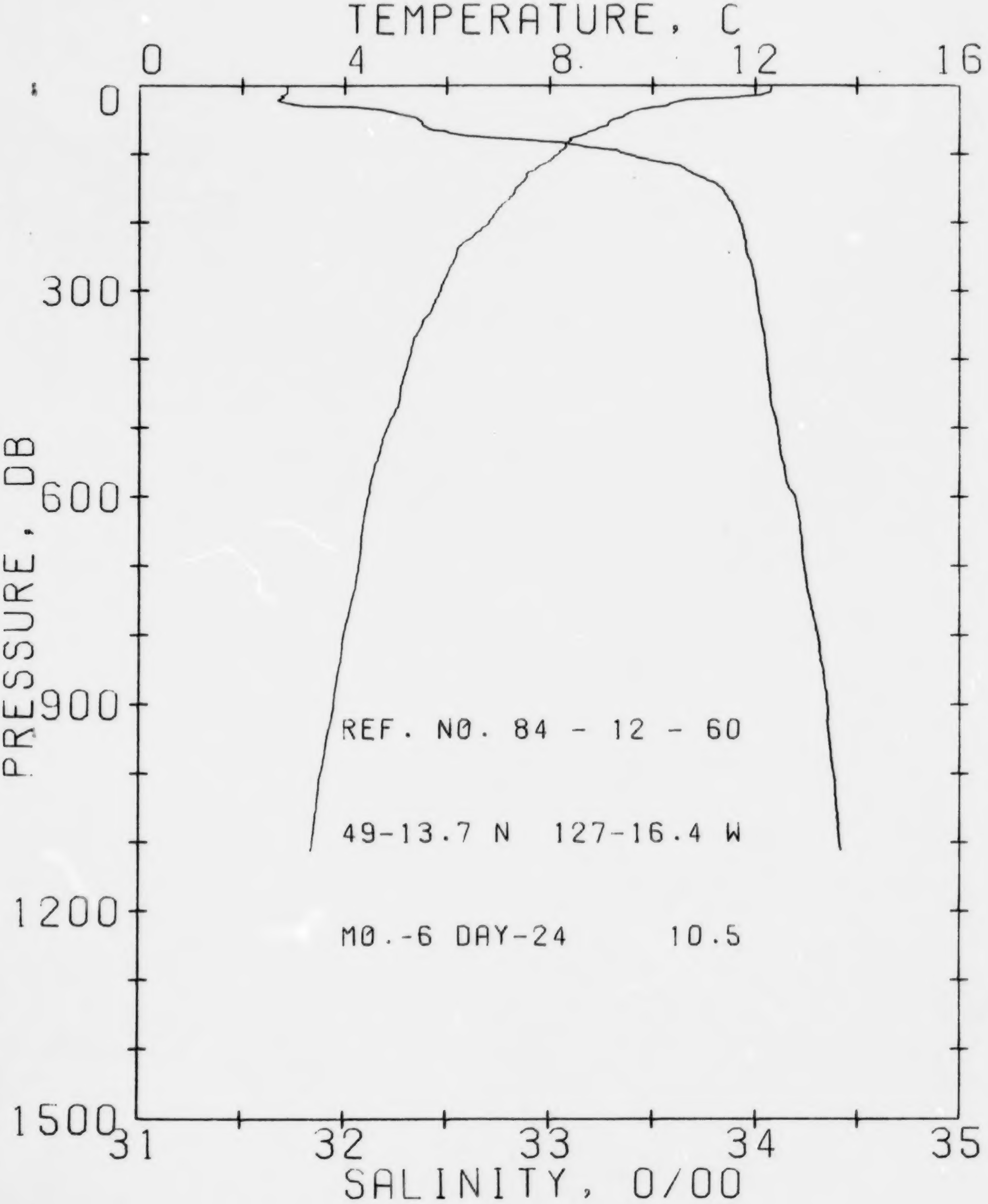
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 57           DATE 24/ 6/84
POSITION   49-24.9N, 126-58.7W    GMT  8.1         STATION H 4
RESULTS OF STP CAST    126 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
    0   11.94   31.91       0    24.22   370.7     .00      .00   1493.
   10   11.83   31.93      10    24.26   366.9     .37      .02   1493.
   20    9.35   32.35      20    25.01   295.9     .71      .07   1485.
   30    8.37   32.75      30    25.48   251.9     .99      .14   1482.
   50    7.66   33.32      50    26.03   199.8    1.43      .32   1480.
   75    7.30   33.70      75    26.37   167.2    1.89      .61   1480.
  100    6.69   33.91      99    26.62   144.0    2.28      .96   1478.
  125    6.42   33.93     124    26.68   138.9    2.63     1.36   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 58
49-21.3 N 127-4.5 W
MO.-6 DAY-24 8.8
31
32
33
34
35
SALINITY, 0/00

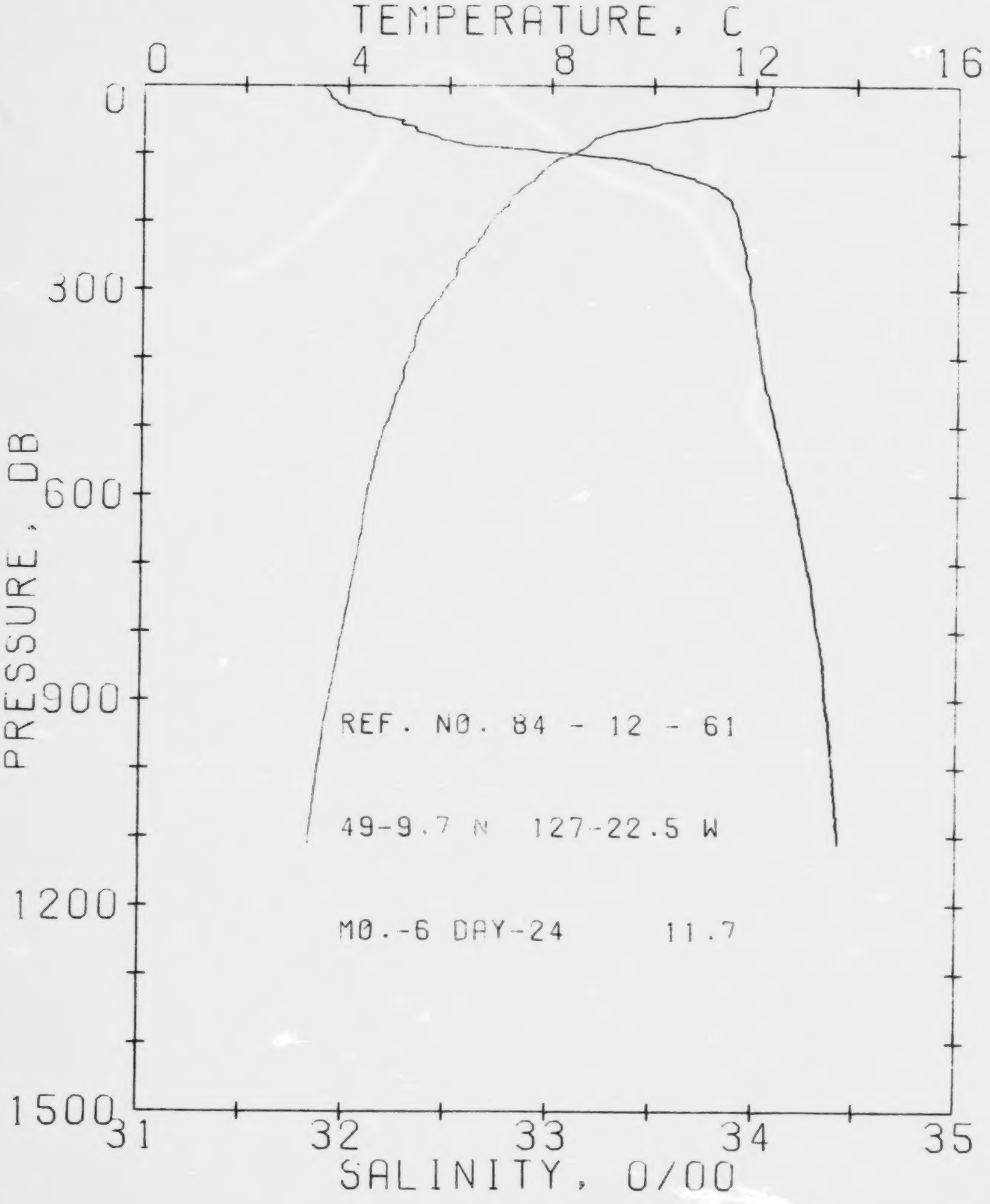
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 58          DATE 24/ 6/84
POSITION  49-21.3N, 127- 4.5W   GMT  8.8        STATION H 5
RESULTS OF STP CAST   156 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   10.78    31.59      0     24.19   373.9     .00      .00   1489.
   10   10.77    31.59     10     24.19   373.8     .37      .02   1489.
   20    9.11    32.01     20     24.79   317.2     .73      .07   1484.
   30    8.74    32.26     30     25.04   293.7    1.03      .15   1483.
   50    7.88    32.95     50     25.70   230.6    1.57      .37   1481.
   75    7.30    33.71     75     26.39   166.0    2.07      .68   1480.
  100    7.17    33.87     99     26.53   153.1    2.47     1.03   1480.
  125    6.89    33.91    124     26.60   146.6    2.84     1.46   1479.
  150    6.62    33.92    149     26.64   142.5    3.20     1.96   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 59
49-17.6 N 127-10.4 W
MO.-6 DAY-24 9.6
31
32
33
34
35
SALINITY, 0/00

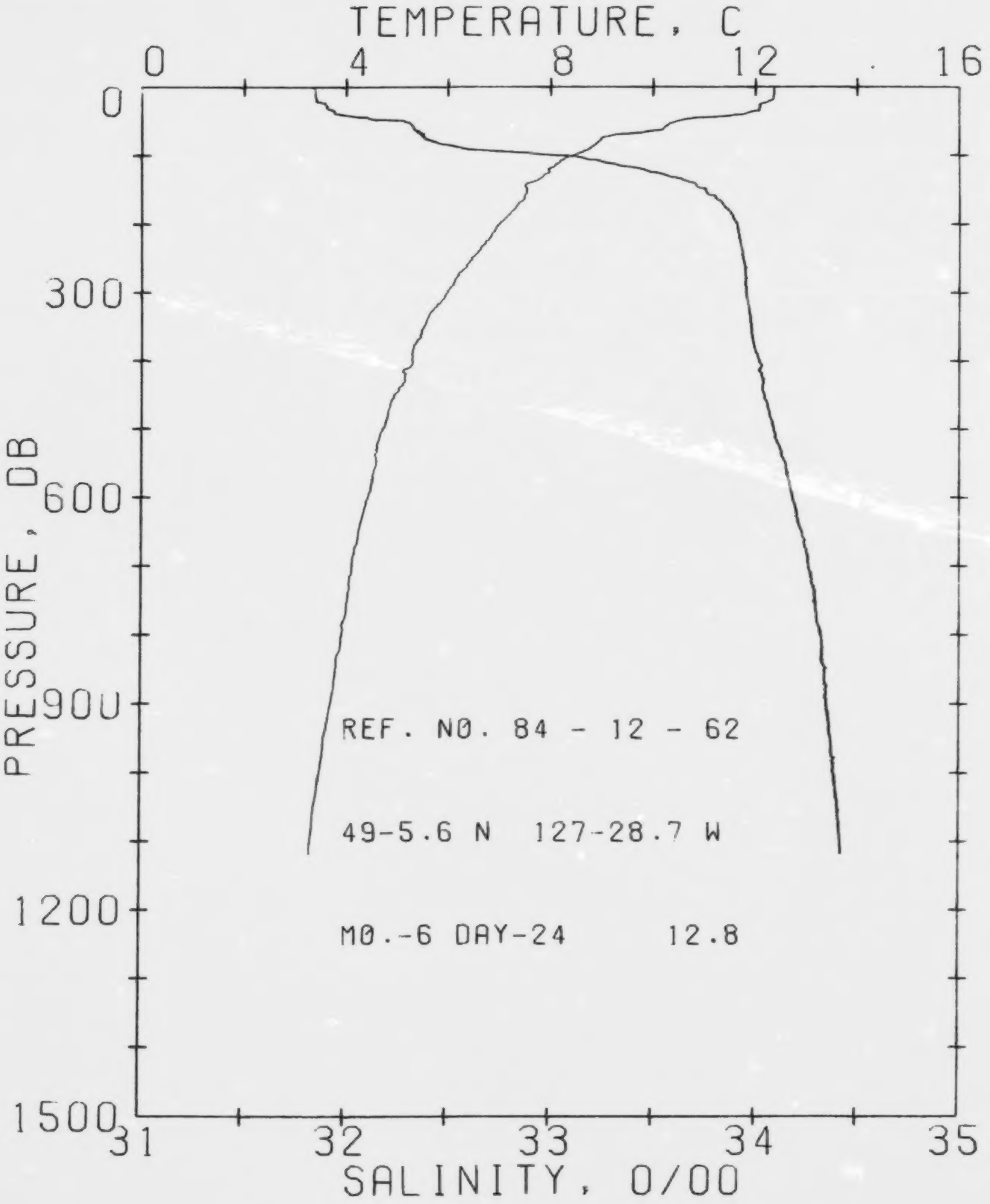
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 59          DATE 24/ 6/84
POSITION   49-17.6N, 127-10.4W    GMT   9.6        STATION H 6
RESULTS OF STP CAST    354 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL     DEPTH    SIGMA    SVA     DELTA    POT.    SOUND
                                      T                D       EN
   0    11.42     31.58       0     24.07   385.4     .00      .00    1491.
  10    11.35     31.61      10     24.10   382.6     .39      .02    1491.
  20    10.66     31.78      20     24.35   358.7     .76      .08    1489.
  30     9.55     32.16      30     24.83   313.1    1.09      .16    1486.
  50     9.00     32.29      50     25.03   295.1    1.70      .41    1484.
  75     7.96     33.12      75     25.82   219.5    2.36      .82    1482.
 100     7.65     33.69      99     26.32   173.2    2.84     1.25    1481.
 125     7.37     33.84     124     26.47   158.5    3.25     1.72    1481.
 150     6.97     33.89     149     26.57   149.4    3.64     2.26    1480.
 175     6.66     33.93     174     26.64   143.1    4.01     2.87    1479.
 200     6.40     33.95     199     26.69   138.6    4.36     3.54    1479.
 225     6.20     33.96     223     26.73   135.1    4.70     4.28    1478.
 250     5.74     33.97     248     26.79   129.4    5.03     5.08    1477.
 300     5.41     34.01     298     26.86   123.3    5.66     6.85    1476.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 60
49-13.7 N 127-16.4 W
MO.-6 DAY-24 10.5

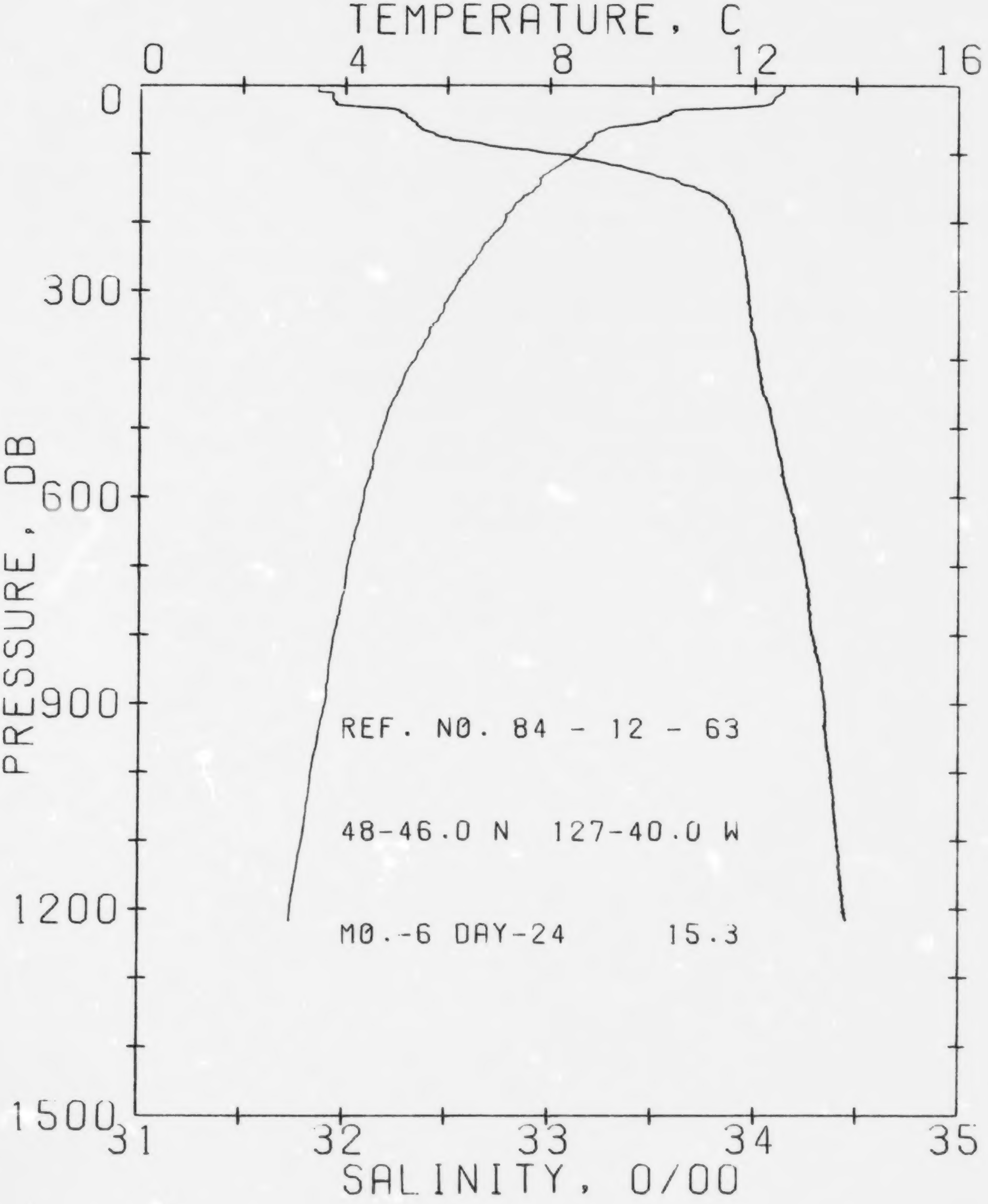
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 60          DATE 24/ 6/84
POSITION  49-13.7N, 127-16.4W    GMT 10.5         STATION H 7
RESULTS OF STP CAST  1112 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                D        EN
    0   12.32   31.72       0    24.01   391.0      .00      .00    1494.
   10   12.25   31.72      10    24.02   389.9      .39      .02    1494.
   20   10.64   31.67      20    24.27   366.2      .77      .08    1489.
   30   10.21   31.95      30    24.56   338.6     1.13      .17    1488.
   50    9.20   32.36      50    25.05   292.9     1.74      .42    1485.
   75    8.46   32.68      75    25.41   259.3     2.45      .87    1483.
  100    8.16   33.38      99    26.00   203.3     3.01     1.36    1483.
  125    7.59   33.68     124    26.32   173.4     3.48     1.90    1482.
  150    7.34   33.84     149    26.48   158.2     3.89     2.48    1481.
  175    7.07   33.89     174    26.56   151.0     4.28     3.12    1481.
  200    6.82   33.93     199    26.62   145.5     4.65     3.83    1480.
  225    6.42   33.95     223    26.69   139.1     5.00     4.60    1479.
  250    6.18   33.96     248    26.73   135.3     5.35     5.42    1479.
  300    5.87   34.00     298    26.81   129.0     6.00     7.26    1478.
  400    5.26   34.05     397    26.92   119.0     7.24    11.65    1477.
  500    4.83   34.11     496    27.01   110.8     8.39    16.95    1477.
  600    4.47   34.20     595    27.12   101.2     9.46    22.93    1478.
  800    3.99   34.31     793    27.26    89.1    11.38    36.58    1479.
 1000    3.54   34.39     991    27.37    79.6    13.07    52.05    1480.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 84 - 12 - 61
49-9.7 N 127-22.5 W
MO.-6 DAY-24 11.7
31
32
33
34
35
SALINITY, 0/00

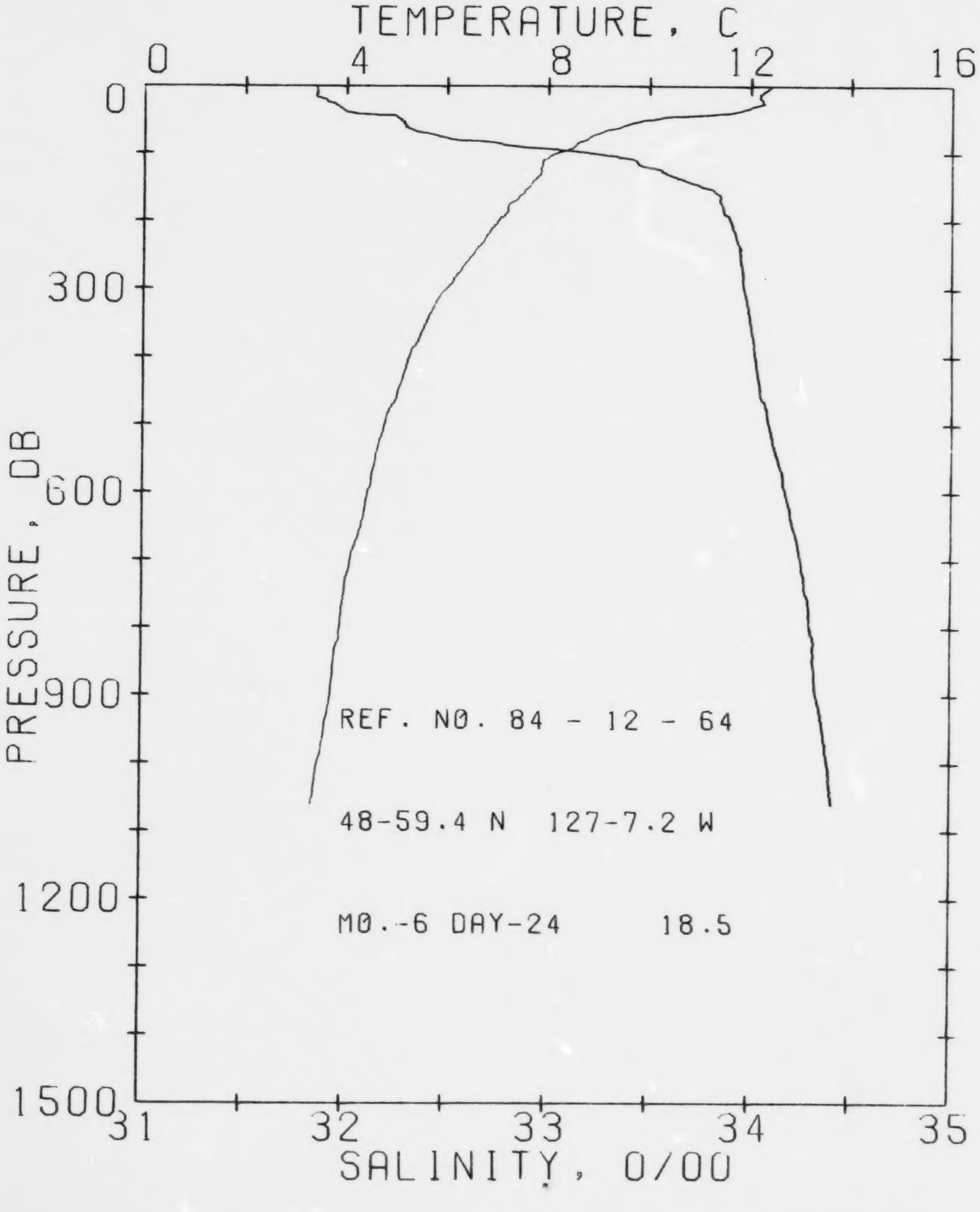
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 61          DATE 24/ 6/84
POSITION  49- 9.7N, 127-22.5W   GMT 11.7       STATION H 8
RESULTS OF STP CAST  1110 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA     SVA     DELTA    POT.    SOUND
                                    T                 D       EN
    0   12.34   31.89       0    24.13    379.1      .00      .00   1495.
   10   12.33   31.91      10    24.15    377.7      .38      .02   1495.
   20   12.29   31.93      20    24.18    375.2      .75      .08   1495.
   30   12.25   31.98      30    24.22    371.3     1.13      .17   1495.
   50   10.68   32.25      50    24.71    325.0     1.83      .46   1490.
   75    8.90   32.44      75    25.16    283.0     2.59      .94   1484.
  100    8.43   33.10      99    25.74    228.1     3.24     1.52   1484.
  125    7.81   33.55     124    26.18    186.1     3.75     2.09   1482.
  150    7.43   33.81     149    26.45    161.5     4.18     2.70   1482.
  175    7.17   33.88     174    26.54    153.0     4.57     3.35   1481.
  200    6.83   33.92     199    26.61    146.5     4.94     4.06   1480.
  225    6.58   33.93     224    26.66    142.3     5.31     4.84   1480.
  250    6.33   33.95     248    26.71    137.9     5.66     5.69   1479.
  300    5.91   33.97     298    26.77    131.9     6.33     7.58   1478.
  400    5.23   34.02     397    26.90    121.0     7.58    12.04   1477.
  500    4.75   34.10     496    27.01    110.5     8.74    17.35   1477.
  600    4.42   34.19     595    27.12    100.9     9.80    23.27   1477.
  800    3.96   34.31     793    27.27     88.3    11.69    36.71   1479.
 1000    3.49   34.39     991    27.38     78.6    13.35    51.91   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 84 - 12 - 62
49-5.6 N 127-28.7 W
MO.-6 DAY-24 12.8
31
32
33
34
35
SALINITY, 0/00

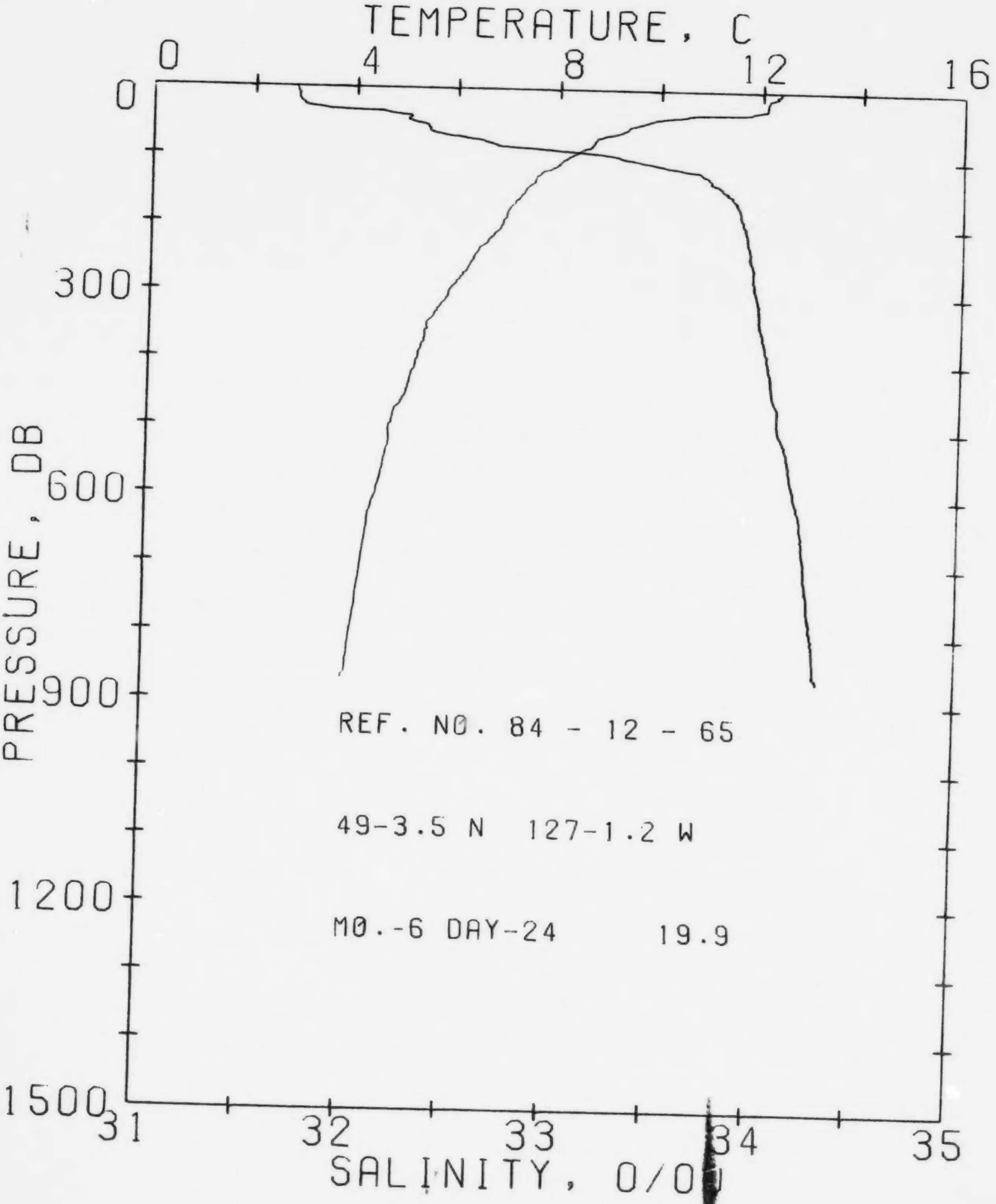
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 62         DATE 24/ 6/84
POSITION  49- 5.6N, 127-28.7W   GMT 12.8        STATION H 9
RESULTS OF STP CAST  1118 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.37   31.85       0    24.10   382.6     .00      .00   1495.
   10   12.37   31.85      10    24.10   382.7     .38      .02   1495.
   20   12.27   31.85      20    24.12   380.7     .76      .08   1495.
   30   12.08   31.91      30    24.20   373.5    1.14      .17   1494.
   50   10.43   32.29      50    24.79   317.7    1.85      .46   1489.
   75    8.99   32.38      75    25.10   288.6    2.61      .94   1485.
  100    8.41   33.07      99    25.72   229.5    3.28     1.54   1484.
  125    7.93   33.53     124    26.15   189.1    3.79     2.13   1483.
  150    7.54   33.76     149    26.39   167.2    4.23     2.74   1482.
  175    7.33   33.85     174    26.49   157.9    4.64     3.42   1482.
  200    6.98   33.91     199    26.58   149.2    5.02     4.15   1481.
  225    6.74   33.92     224    26.63   145.1    5.39     4.94   1480.
  250    6.47   33.93     248    26.67   141.3    5.75     5.81   1480.
  300    5.97   33.95     298    26.75   134.0    6.43     7.73   1478.
  400    5.31   34.01     397    26.88   122.6    7.71    12.26   1478.
  500    4.72   34.09     496    27.01   111.0    8.87    17.60   1477.
  600    4.43   34.18     595    27.11   101.6    9.93    23.54   1477.
  800    3.94   34.32     793    27.27    87.6   11.80    36.85   1479.
 1000    3.51   34.38     991    27.37    79.6   13.47    52.10   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. N0. 84 - 12 - 63
48-46.0 N 127-40.0 W
M0.-6 DAY-24 15.3
31
32
33
34
35
SALINITY, 0/00

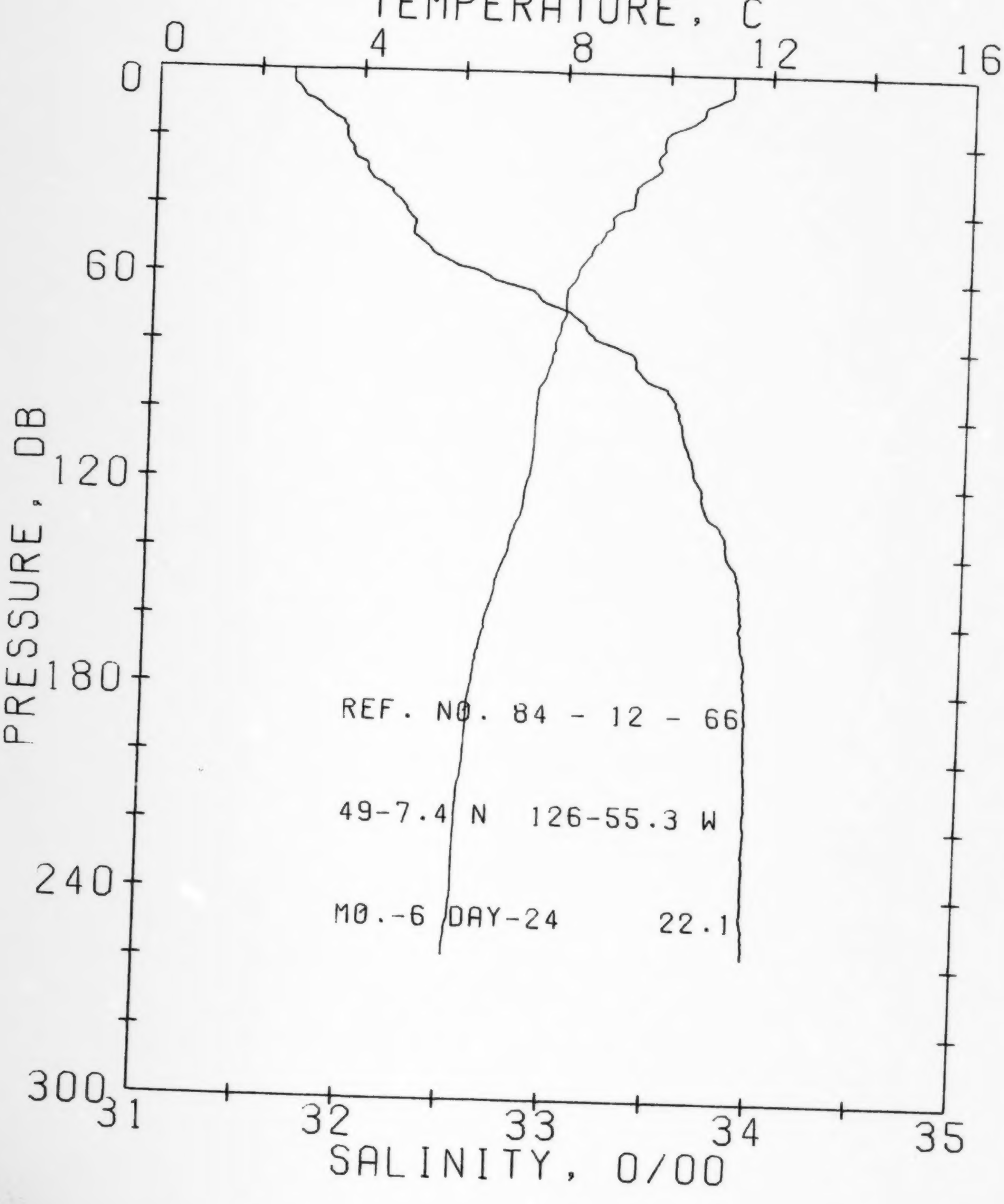
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 63          DATE 24/ 6/84
POSITION  48-46.0N, 127-40.0W   GMT 15.3       STATION LP4
RESULTS OF STP CAST  1216 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
    0   12.58   31.87       0    24.07   384.8     .00     .00   1496.
   10   12.54   31.94      10    24.14   378.9     .38     .02   1496.
   20   12.39   31.94      20    24.17   376.5     .76     .08   1495.
   30   11.95   32.05      30    24.33   361.1    1.14     .17   1494.
   50   10.14   32.33      50    24.87   310.2    1.78     .43   1488.
   75    8.83   32.47      75    25.19   279.9    2.51     .90   1484.
  100    8.49   33.03      99    25.68   234.0    3.16    1.47   1484.
  125    8.00   33.44     124    26.07   196.9    3.69    2.09   1483.
  150    7.72   33.71     149    26.33   172.9    4.15    2.73   1483.
  175    7.31   33.86     174    26.50   156.7    4.56    3.41   1482.
  200    7.11   33.89     199    26.55   152.0    4.95    4.14   1481.
  225    6.83   33.93     224    26.62   146.2    5.32    4.95   1481.
  250    6.59   33.95     248    26.67   141.6    5.68    5.82   1480.
  300    6.12   33.97     298    26.75   134.8    6.37    7.75   1479.
  400    5.38   34.02     397    26.88   122.8    7.66   12.35   1478.
  500    4.76   34.10     496    27.01   111.0    8.83   17.71   1477.
  600    4.38   34.16     595    27.10   102.5    9.90   23.67   1477.
  800    3.80   34.29     793    27.26    88.5   11.79   37.13   1478.
 1000    3.36   34.37     991    27.37    78.9   13.45   52.36   1480.
 1200    2.97   34.45    1188    27.47    69.8   14.95   69.08   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 64
48-59.4 N 127-7.2 W
MO.-6 DAY-24 18.5

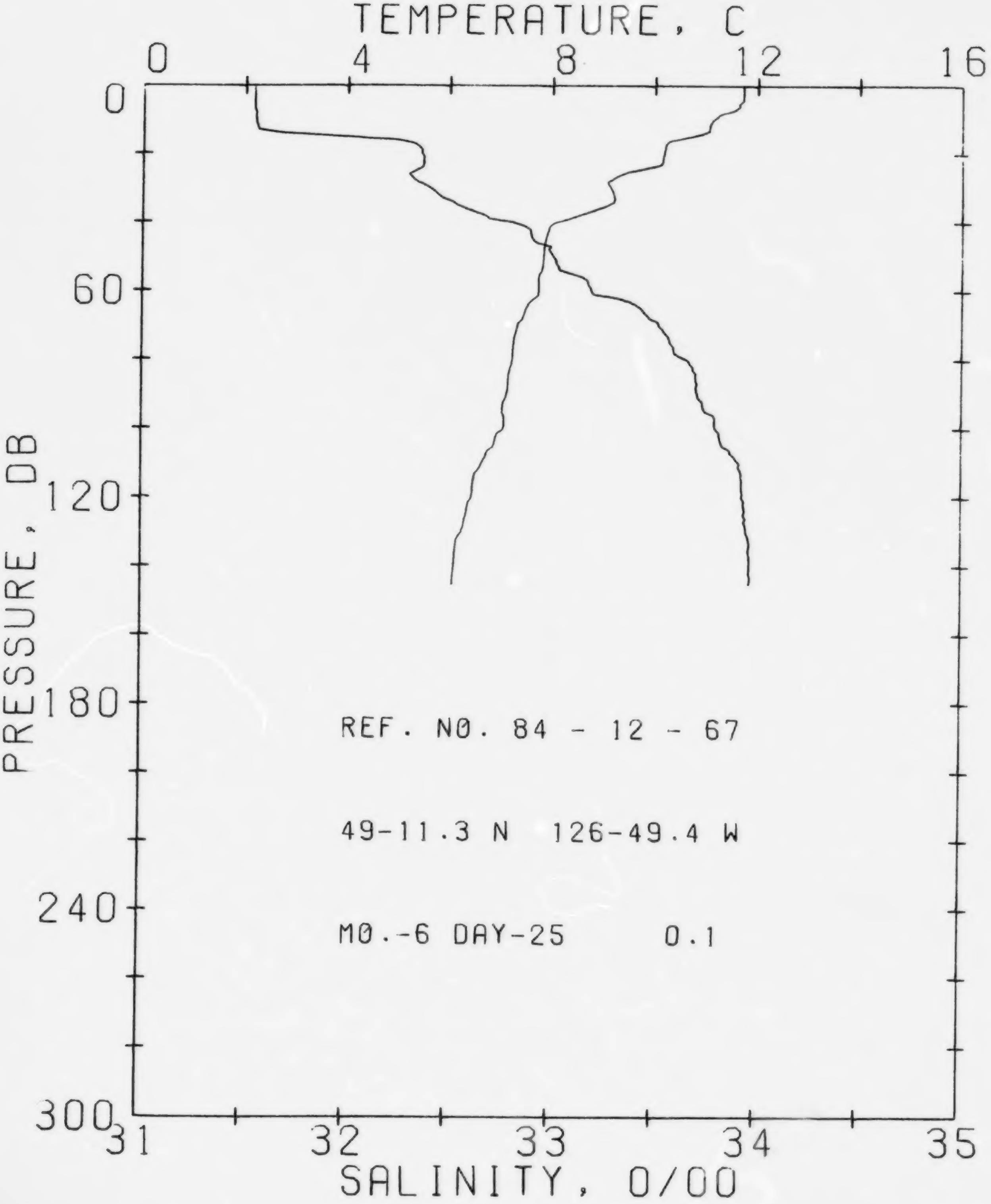
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 64         DATE 24/ 6/84
POSITION  48-59.4N, 127- 7.2W   GMT 18.5       STATION G 7
RESULTS OF STP CAST  1061 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL   DEPTH    SIGMA    SVA   DELTA    POT.   SOUND
                                  T               D      EN
   0   12.40   31.85       0    24.10  382.4     .00     .00   1495.
  10   12.20   31.86      10    24.14  378.7     .38     .02   1494.
  20   12.23   31.90      20    24.17  376.2     .76     .08   1495.
  30   12.04   31.96      30    24.25  368.8    1.13     .17   1494.
  50    9.93   32.28      50    24.87  310.4    1.82     .45   1487.
  75    8.84   32.46      75    25.18  280.7    2.57     .92   1484.
 100    8.13   33.23      99    25.89  214.1    3.19    1.48   1483.
 125    7.88   33.57     124    26.19  185.7    3.68    2.04   1483.
 150    7.62   33.76     149    26.38  167.9    4.13    2.66   1482.
 175    7.22   33.86     174    26.51  155.8    4.53    3.32   1481.
 200    7.02   33.90     199    26.57  150.1    4.91    4.06   1481.
 225    6.77   33.93     224    26.63  145.1    5.28    4.86   1480.
 250    6.52   33.95     248    26.68  140.7    5.64    5.72   1480.
 300    6.00   33.97     298    26.76  133.4    6.32    7.64   1479.
 400    5.27   34.02     397    26.89  121.7    7.59   12.15   1477.
 500    4.78   34.10     496    27.01  111.2    8.76   17.50   1477.
 600    4.45   34.17     595    27.10  102.8    9.83   23.49   1477.
 800    3.93   34.30     793    27.26   88.9   11.72   36.93   1479.
1000    3.49   34.40     991    27.38   78.5   13.40   52.34   1480.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
SALINITY, 0/00
31
32
33
34
35
REF. NO. 84 - 12 - 65
49-3.5 N 127-1.2 W
MO.-6 DAY-24 19.9

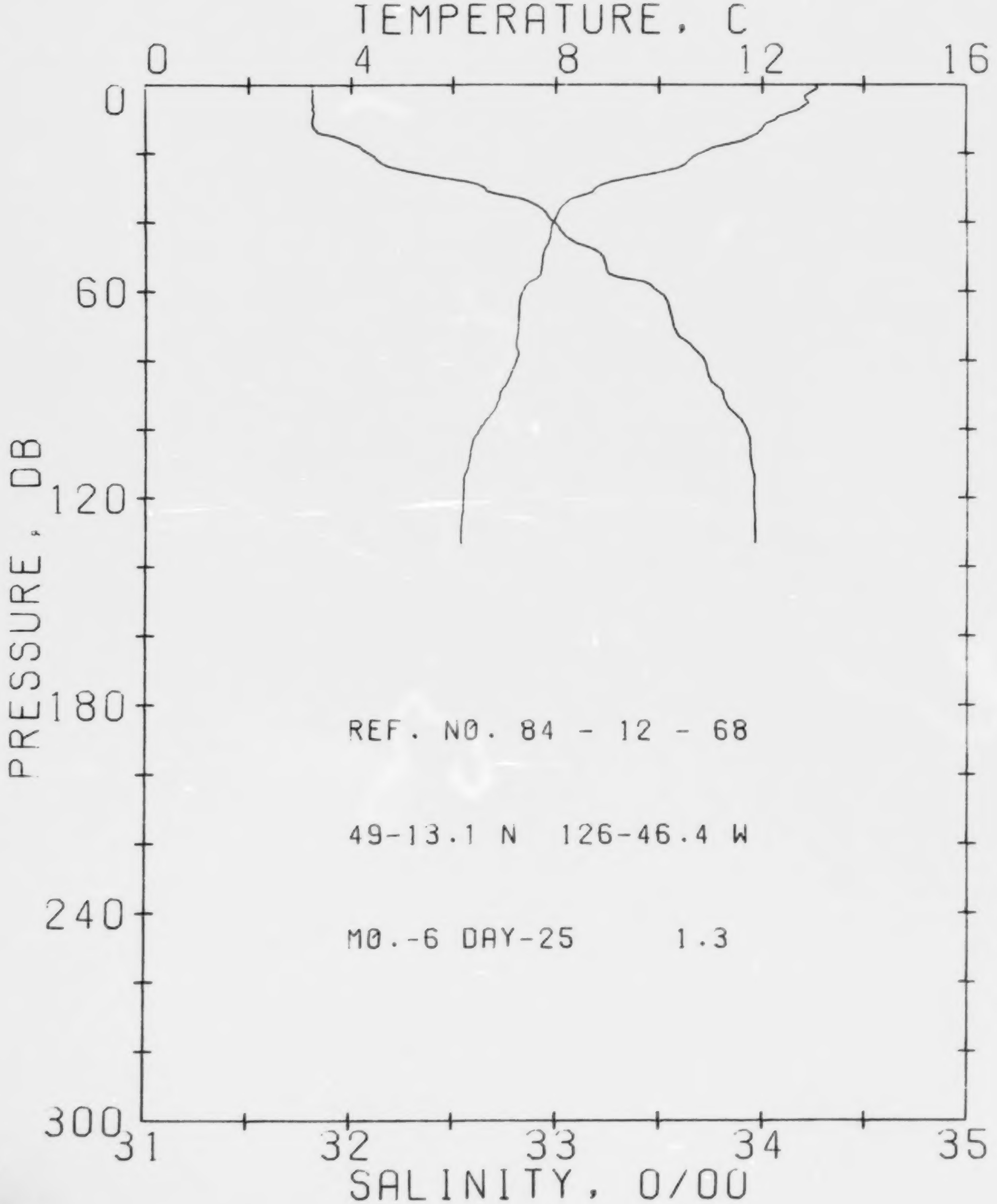
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 65          DATE 24/ 6/84
POSITION  49- 3.5N, 127- 1.2W   GMT 19.9       STATION G 6
RESULTS OF STP CAST   856 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                   T                D        EN
    0  12.37   31.71        0    23.99   392.9      .00      .00   1495.
   10  12.19   31.72       10    24.04   388.7      .39      .02   1494.
   20  12.10   31.73       20    24.06   387.0      .78      .08   1494.
   30  11.84   31.84       30    24.19   374.0     1.16      .18   1493.
   50   9.58   32.30       50    24.94   303.3     1.81      .44   1486.
   75   8.71   32.63       75    25.33   266.4     2.53      .90   1484.
  100   8.18   33.32       99    25.95   207.9     3.13     1.43   1483.
  125   7.58   33.74      124    26.36   168.9     3.60     1.96   1482.
  150   7.34   33.83      149    26.47   159.1     4.01     2.54   1481.
  175   7.04   33.90      174    26.57   150.2     4.39     3.17   1481.
  200   6.90   33.93      199    26.61   146.4     4.77     3.88   1480.
  225   6.62   33.94      223    26.66   142.5     5.13     4.67   1480.
  250   6.34   33.95      248    26.70   138.3     5.48     5.51   1479.
  300   5.88   33.98      298    26.79   130.5     6.15     7.39   1478.
  400   5.26   34.05      397    26.91   119.5     7.40    11.83   1477.
  500   4.75   34.10      496    27.01   110.4     8.55    17.10   1477.
  600   4.51   34.19      595    27.11   102.0     9.61    23.04   1478.
  800   4.08   34.29      793    27.23    91.7    11.53    36.75   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 66
49-7.4 N 126-55.3 W
MO.-6 DAY-24 22.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 66          DATE 24/ 6/84
POSITION  49- 7.4N, 126-55.3W   GMT 22.1       STATION G 5
RESULTS OF STP CAST   258 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.   SOUND
                                    T                D       EN
    0   11.23   31.66        0    24.16   376.3     .00     .00   1491.
   10   10.70   31.80       10    24.36   357.6     .37     .02   1489.
   20    9.91   31.93       20    24.60   335.5     .72     .07   1486.
   30    9.69   32.04       30    24.72   324.1    1.05     .16   1486.
   50    8.63   32.32       50    25.10   288.0    1.66     .40   1483.
   75    8.00   33.12       75    25.83   219.4    2.28     .80   1482.
  100    7.57   33.58       99    26.25   179.6    2.77    1.23   1481.
  125    7.37   33.71      124    26.38   167.7    3.21    1.73   1481.
  150    6.85   33.91      149    26.60   146.7    3.60    2.28   1479.
  175    6.48   33.93      174    26.67   140.3    3.96    2.87   1478.
  200    6.34   33.96      199    26.71   137.2    4.30    3.53   1478.
  225    6.20   33.96      223    26.73   135.4    4.64    4.26   1478.
  250    6.09   33.97      248    26.75   133.4    4.98    5.08   1478.
```

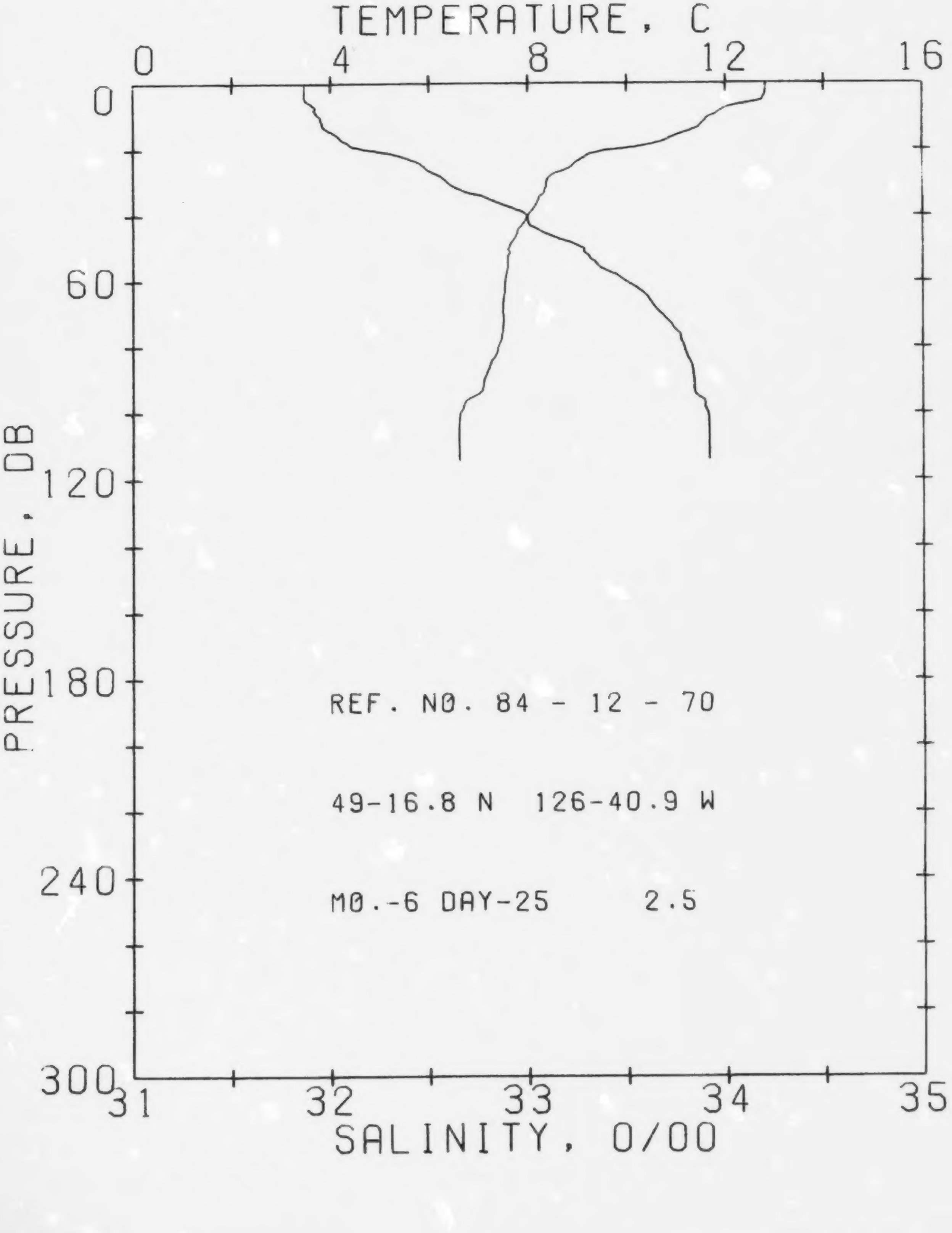

TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 67
49-11.3 N 126-49.4 W
MO.-6 DAY-25 0.1
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 67          DATE 25/ 6/84
POSITION  49-11.3N, 126-49.4W    GMT    .1        STATION G 4
RESULTS OF STP CAST   146 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0    11.73    31.55       0   23.98   393.5     .00     .00   1492.
  10    11.12    31.55      10   24.10   382.8     .39     .02   1490.
  20    10.18    32.37      20   24.89   307.3     .73     .07   1488.
  30     9.15    32.41      30   25.09   288.4    1.03     .15   1484.
  50     7.84    33.01      50   25.76   225.4    1.54     .35   1481.
  75     7.26    33.58      75   26.28   175.8    2.04     .67   1479.
 100     7.07    33.80      99   26.49   156.9    2.45    1.03   1479.
 125     6.34    33.93     124   26.69   137.8    2.81    1.44   1477.
```

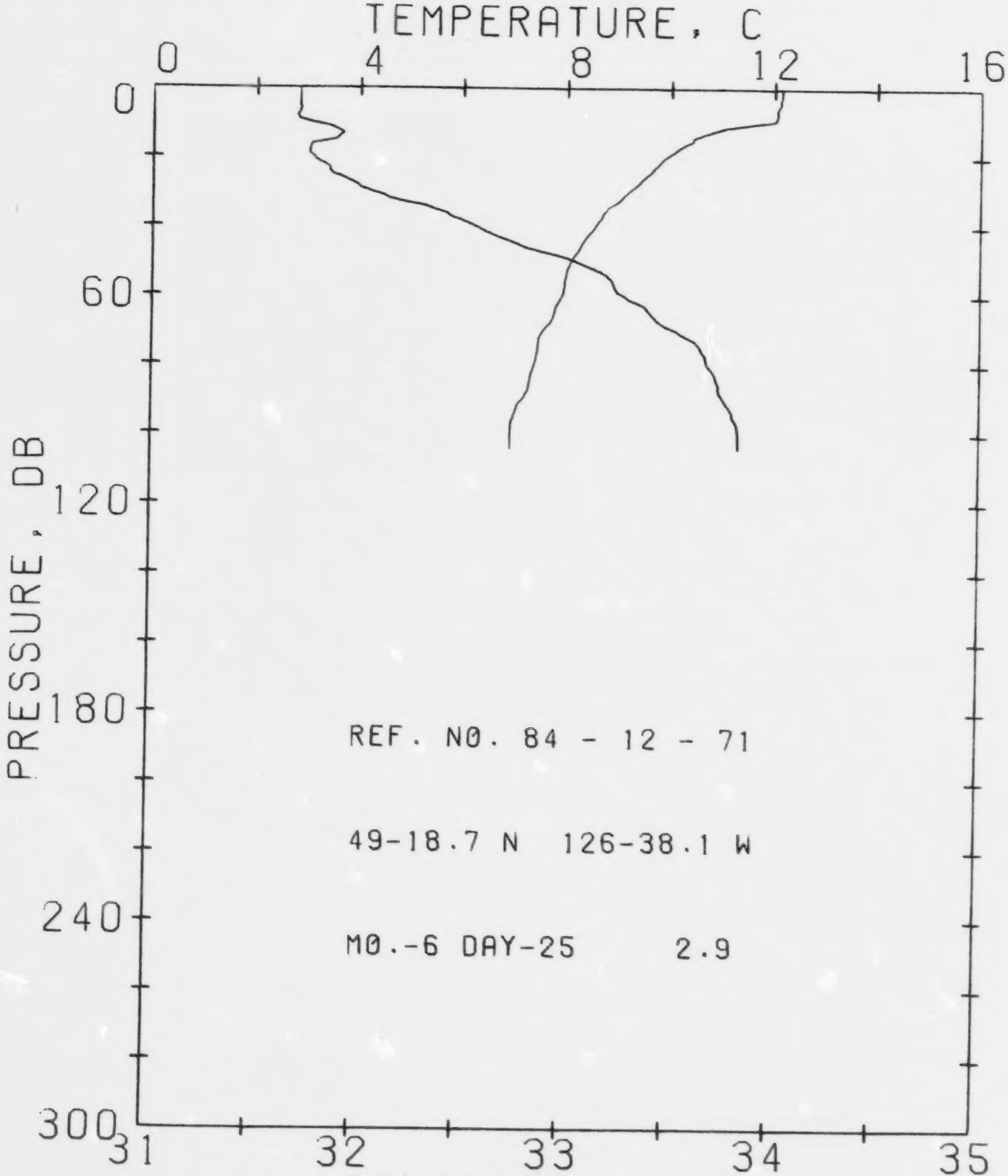

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 68
49-13.1 N 126-46.4 W
MO.-6 DAY-25 1.3
31
32
33
34
35
SALINITY, O/OO

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 68         DATE 25/ 6/84
POSITION   49-13.1N, 126-46.4W   GMT  1.3        STATION G3A
RESULTS OF STP CAST   134 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                     T               D        EN
   0    13.09    31.81       0    23.93   398.3     .00       .00  1497.
  10    12.28    31.81      10    24.09   383.9     .39       .02  1495.
  20    10.75    32.10      20    24.58   336.7     .76       .08  1490.
  30     8.77    32.66      30    25.35   264.2    1.06       .15  1483.
  50     7.74    33.23      50    25.95   207.4    1.52       .34  1480.
  75     7.22    33.65      75    26.35   169.6    1.99       .63  1479.
 100     6.50    33.92      99    26.66   140.3    2.38       .98  1477.
 125     6.17    33.96     124    26.73   133.5    2.72      1.37  1476.
```

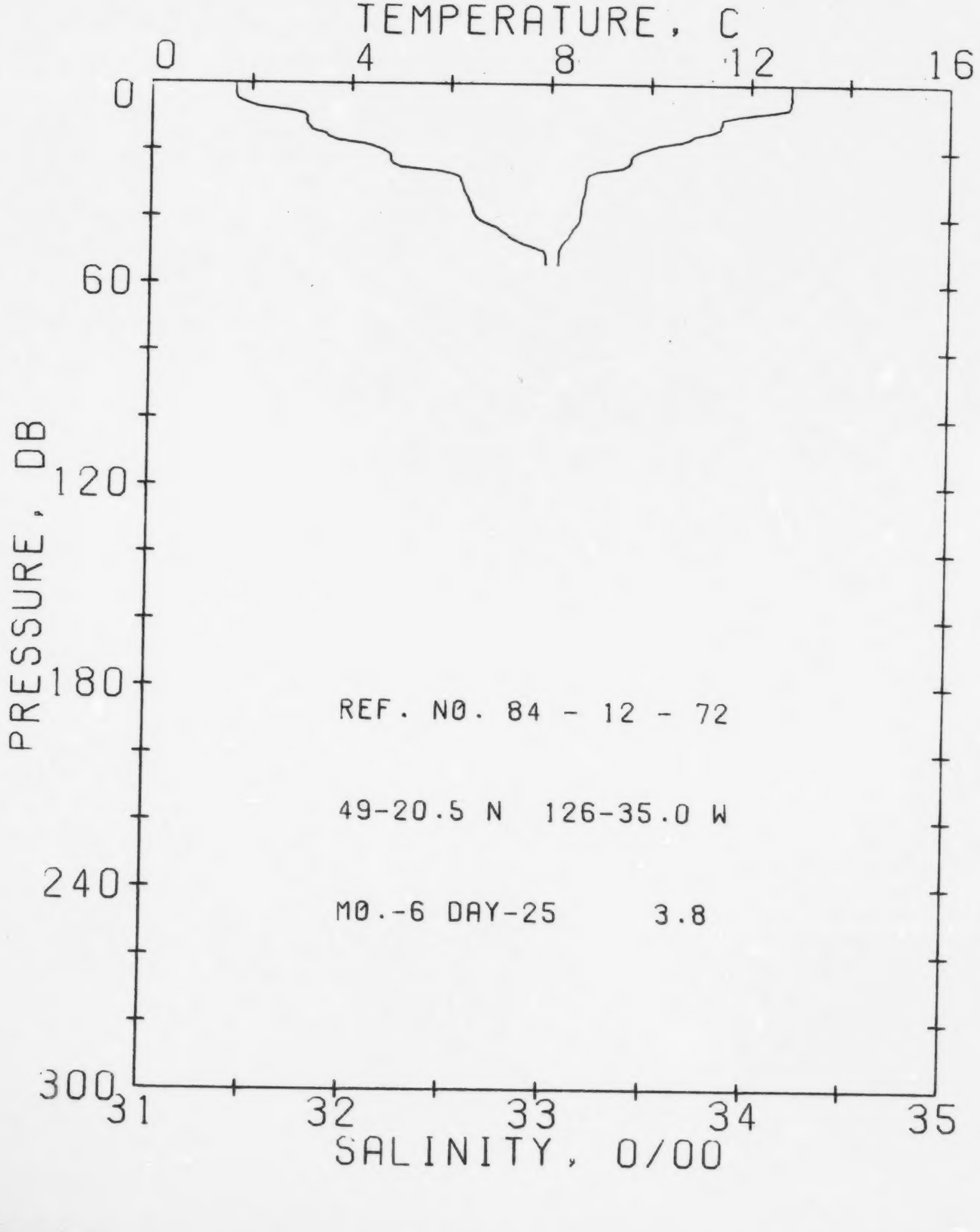
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 69        DATE 25/ 6/84
POSITION  49-15.0N, 126-43.7W   GMT  1.7      STATION G 3
RESULTS OF STP CAST   112 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    12.00   31.97       0    24.27   366.5     .00     .00   1494.
  10    11.14   32.02      10    24.46   348.6     .36     .02   1491.
  20     8.90   32.52      20    25.22   276.0     .69     .07   1483.
  30     8.49   32.69      30    25.41   257.9     .95     .13   1482.
  50     7.61   33.33      50    26.04   198.5    1.40     .32   1480.
  75     7.22   33.70      75    26.39   165.9    1.86     .60   1479.
 100     6.69   33.90      99    26.62   144.4    2.24     .94   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 84 - 12 - 70
49-16.8 N 126-40.9 W
M0.-6 DAY-25 2.5
31
32
33
34
35
SALINITY, 0/00

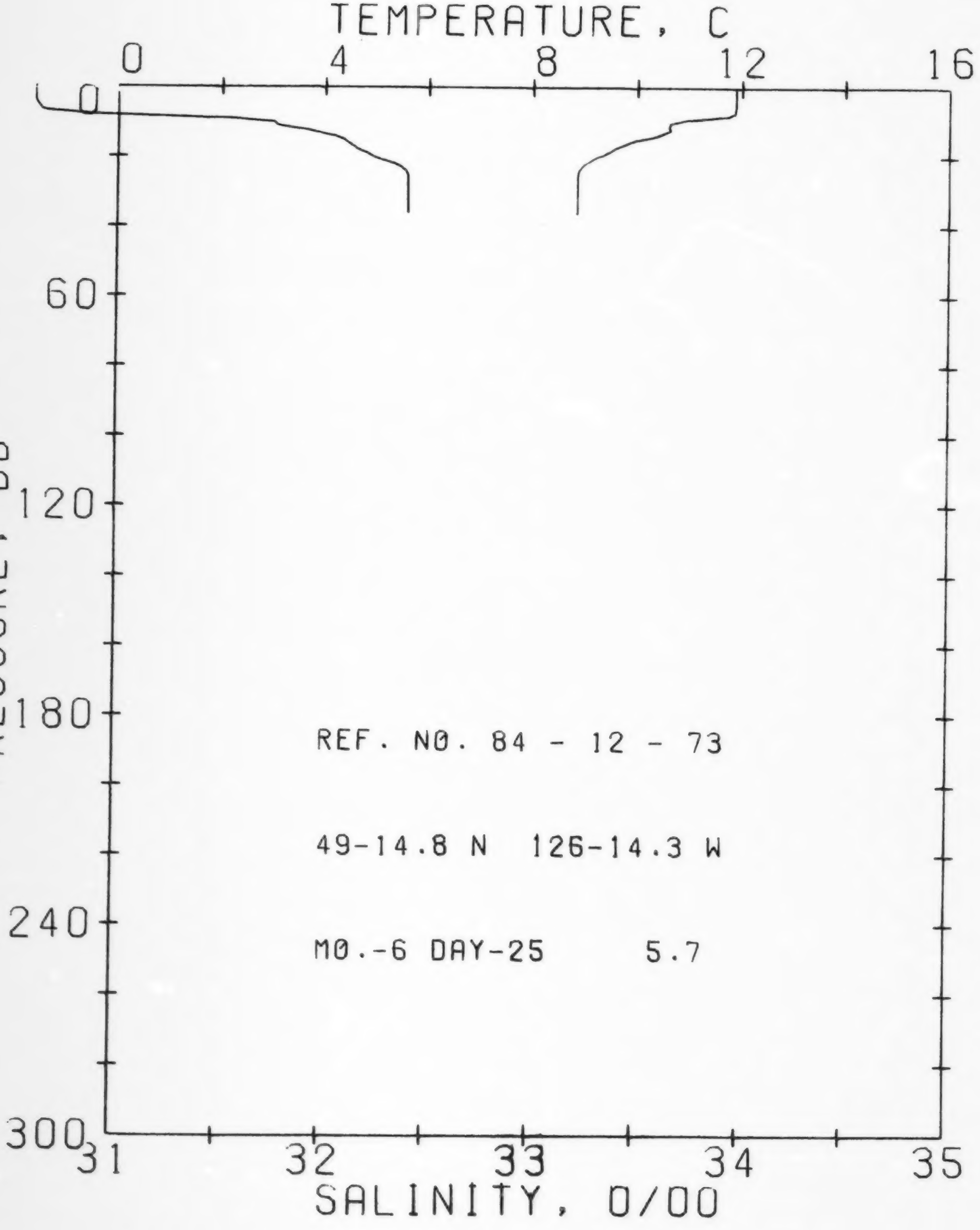
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 70          DATE 25/ 6/84
POSITION  49-16.8N, 126-40.9W   GMT  2.5       STATION G2A
RESULTS OF STP CAST   115 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   12.83   31.87       0    24.03   389.2     .00     .00   1496.
   10   11.65   31.95      10    24.31   362.3     .38     .02   1493.
   20    9.61   32.20      20    24.85   311.0     .73     .07   1486.
   30    8.37   32.60      30    25.36   262.8    1.01     .14   1482.
   50    7.60   33.29      50    26.01   201.3    1.47     .33   1480.
   75    7.50   33.75      75    26.39   165.9    1.93     .62   1481.
  100    6.62   33.91      99    26.63   142.9    2.32     .96   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 71
49-18.7 N 126-38.1 W
MO.-6 DAY-25 2.9

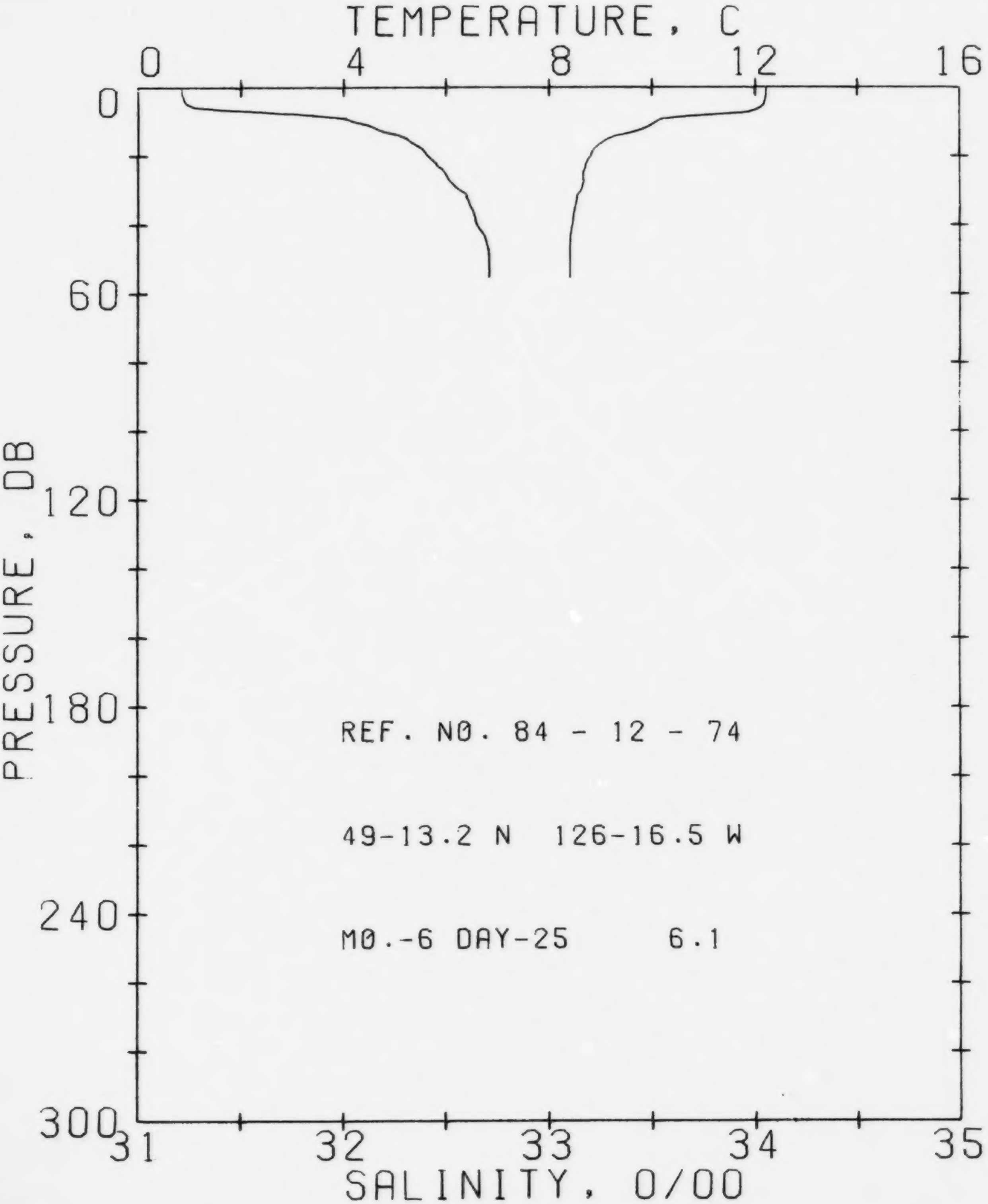
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 71        DATE 25/ 6/84
POSITION  49-18.7N, 126-38.1W   GMT  2.9       STATION G 2
RESULTS OF STP CAST   105 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.15   31.71       0    24.04   388.6     .00      .00   1494.
   10   11.56   31.76      10    24.18   374.6     .39      .02   1492.
   20    9.88   31.78      20    24.49   346.0     .74      .07   1486.
   30    9.17   32.06      30    24.82   314.7    1.07      .16   1484.
   50    8.09   33.05      50    25.75   225.8    1.61      .37   1482.
   75    7.47   33.65      75    26.31   173.0    2.11      .69   1480.
  100    6.95   33.83      99    26.53   152.7    2.51     1.05   1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 72
49-20.5 N 126-35.0 W
MO.-6 DAY-25 3.8

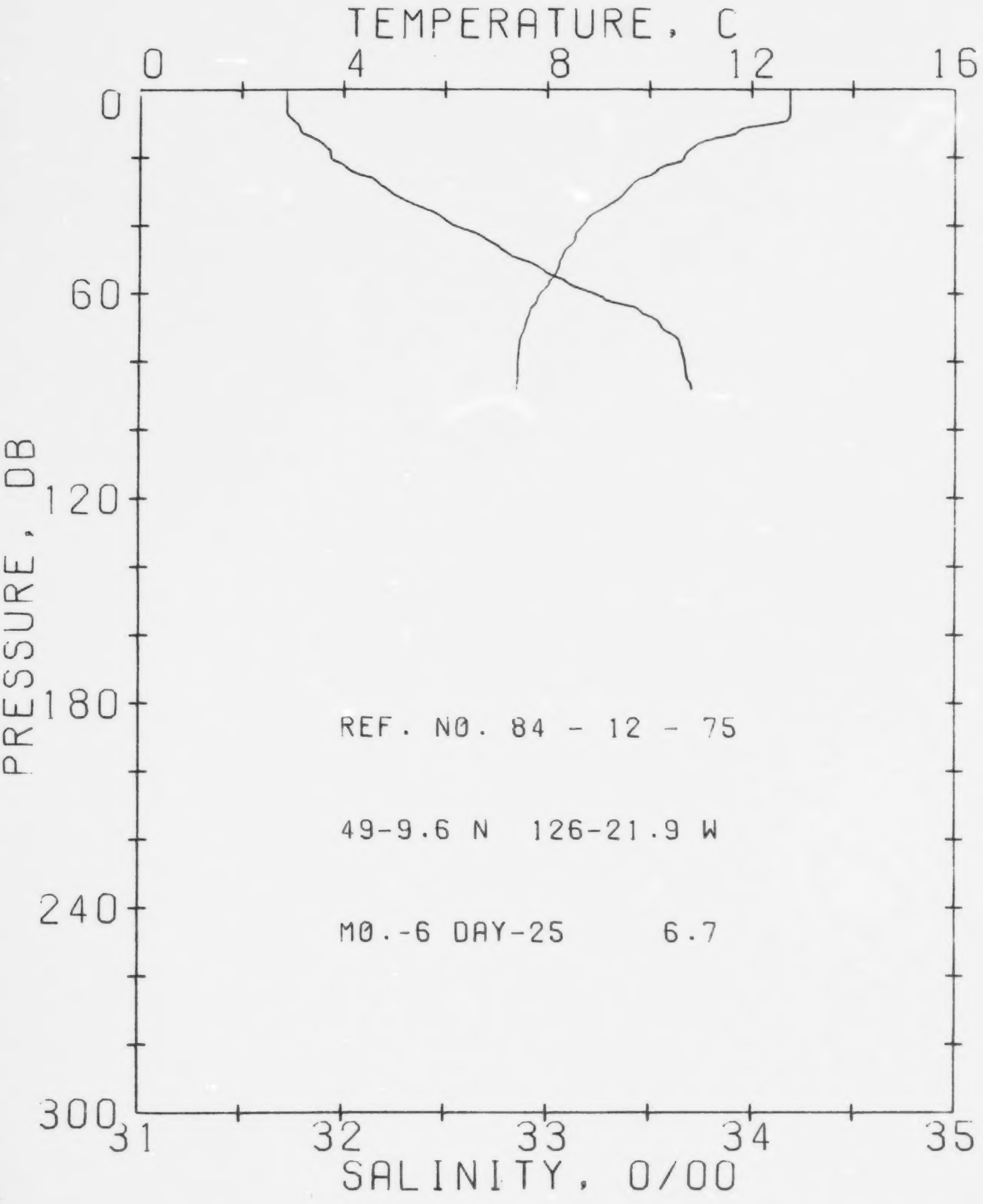
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 72          DATE 25/ 6/84
POSITION  49-20.5N, 126-35.0W    GMT  3.8       STATION G 1
RESULTS OF STP CAST    55 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
   0    12.82   31.42       0    23.68  422.1     .00     .00   1496.
  10    11.43   31.78      10    24.22  370.9     .41     .02   1492.
  20     9.77   32.17      20    24.81  315.4     .76     .07   1486.
  30     8.71   32.56      30    25.28  270.7    1.06     .15   1483.
  50     8.18   32.97      50    25.68  232.8    1.57     .36   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 73
49-14.8 N 126-14.3 W
MO.-6 DAY-25 5.7

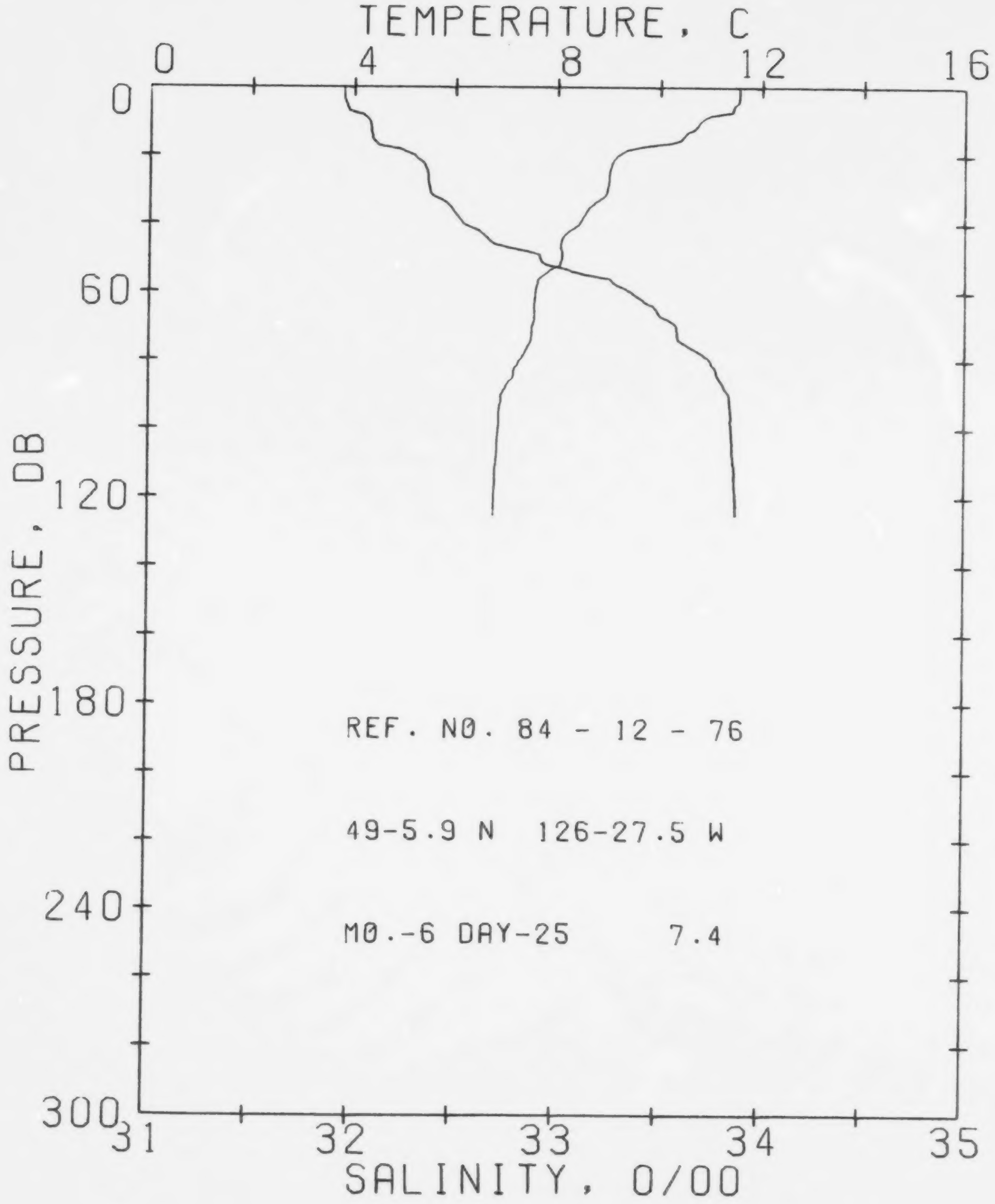
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 73          DATE 25/ 6/84
POSITION  49-14.8N, 126-14.3W    GMT  5.7        STATION F 1
RESULTS OF STP CAST     37 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                D        EN
  0     11.89    30.60       0     23.23   465.6     .00       .00   1492.
 10     10.63    31.76      10     24.34   359.5     .45       .02   1489.
 20      9.20    32.23      20     24.95   302.0     .78       .07   1484.
 30      8.86    32.40      30     25.13   284.7    1.07       .15   1483.

PRES  DEPTH      TEMP     SAL         PRES  DEPTH       TEMP     SAL

  0.            11.89   30.60          19.              9.38    32.21
  1.            11.89   30.60          20.              9.20    32.23
  2.            11.89   30.60          21.              9.09    32.29
  3.            11.89   30.60          22.              8.98    32.34
  4.            11.89   30.60          23.              8.92    32.37
  5.            11.89   30.61          24.              8.88    32.39
  6.            11.88   30.63          25.              8.86    32.40
  7.            11.88   30.64          26.              8.86    32.40
  8.            11.77   30.87          27.              8.86    32.40
  9.            10.96   31.55          28.              8.86    32.40
 10.            10.63   31.76          29.              8.86    32.40
 11.            10.60   31.77          30.              8.86    32.40
 12.            10.64   31.88          31.              8.86    32.40
 13.            10.48   31.96          32.              8.86    32.40
 14.            10.31   32.05          33.              8.86    32.40
 15.             9.94   32.09          34.              8.86    32.40
 16.             9.79   32.11          35.              8.86    32.40
 17.             9.61   32.14          36.              8.86    32.40
 18.             9.50   32.16
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 74
49-13.2 N 126-16.5 W
MO.-6 DAY-25 6.1

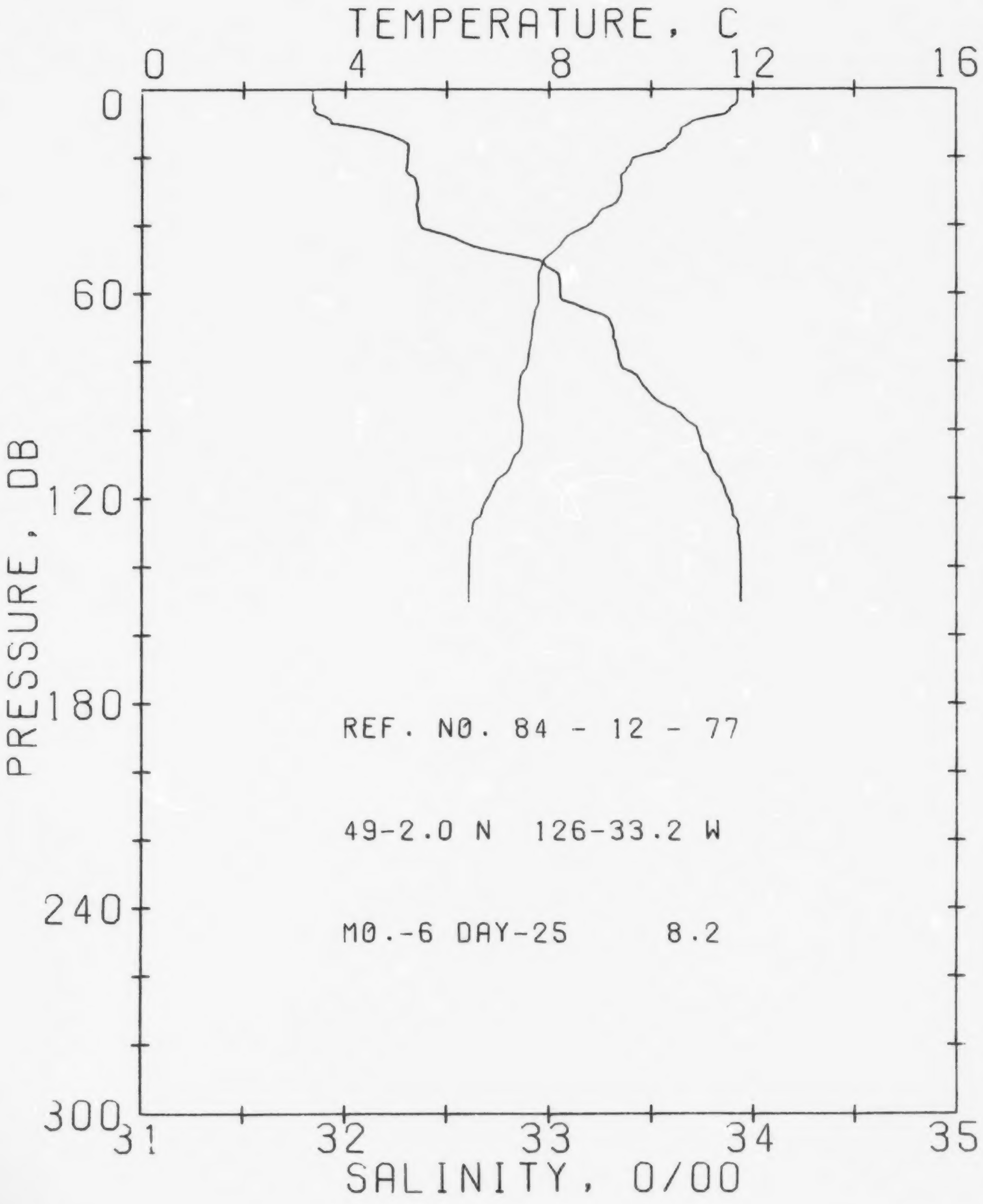
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 74        DATE 25/ 6/84
POSITION  49-13.2N, 126-16.5W   GMT  6.1       STATION F 2
RESULTS OF STP CAST     56 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA     DELTA    POT.    SOUND
                                     T                D      EN
   0    12.22    31.22       0    23.64   426.4     .00      .00   1493.
  10    10.09    32.05      10    24.66   329.1     .40      .02   1487.
  20     8.81    32.41      20    25.15   282.8     .70      .07   1483.
  30     8.62    32.57      30    25.30   268.7     .98      .14   1483.
  50     8.41    32.71      50    25.44   255.4    1.50      .35   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 84 - 12 - 75
49-9.6 N 126-21.9 W
M0.-6 DAY-25 6.7
31
32
33
34
35
SALINITY, 0/00

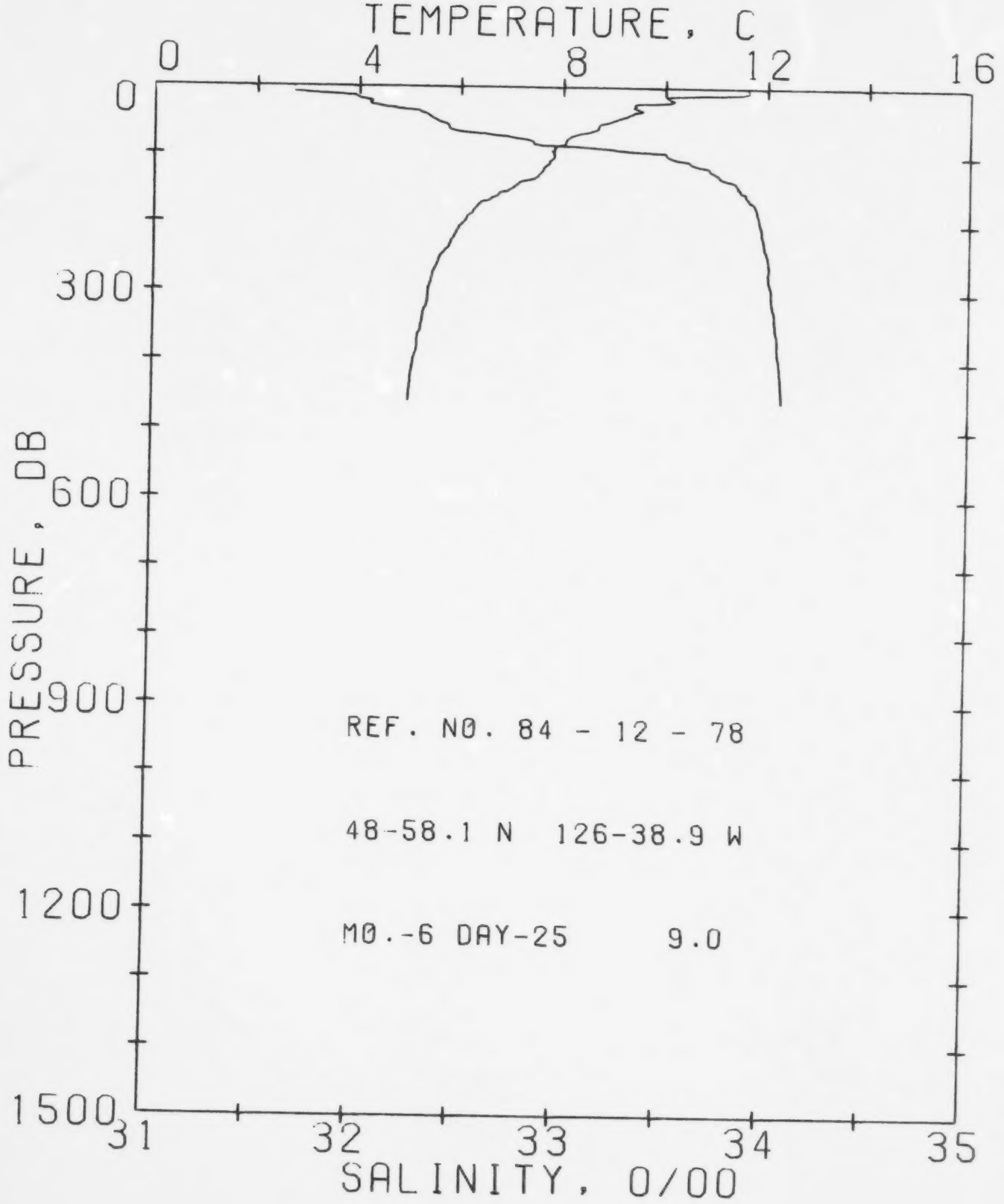
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 75          DATE 25/ 6/84
POSITION  49- 9.6N, 126-21.9W   GMT  6.7       STATION F 3
RESULTS OF STP CAST    89 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0   12.77   31.72       0    23.93   398.9     .00     .00   1496.
  10   12.39   31.77      10    24.04   388.5     .40     .02   1495.
  20   10.69   31.94      20    24.47   347.4     .76     .08   1489.
  30    9.52   32.23      30    24.89   307.3    1.09     .16   1486.
  50    8.24   32.88      50    25.60   240.7    1.63     .38   1482.
  75    7.45   33.65      75    26.31   172.9    2.14     .70   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 76
49-5.9 N 126-27.5 W
MO.-6 DAY-25 7.4
31
32
33
34
35
SALINITY, 0/00

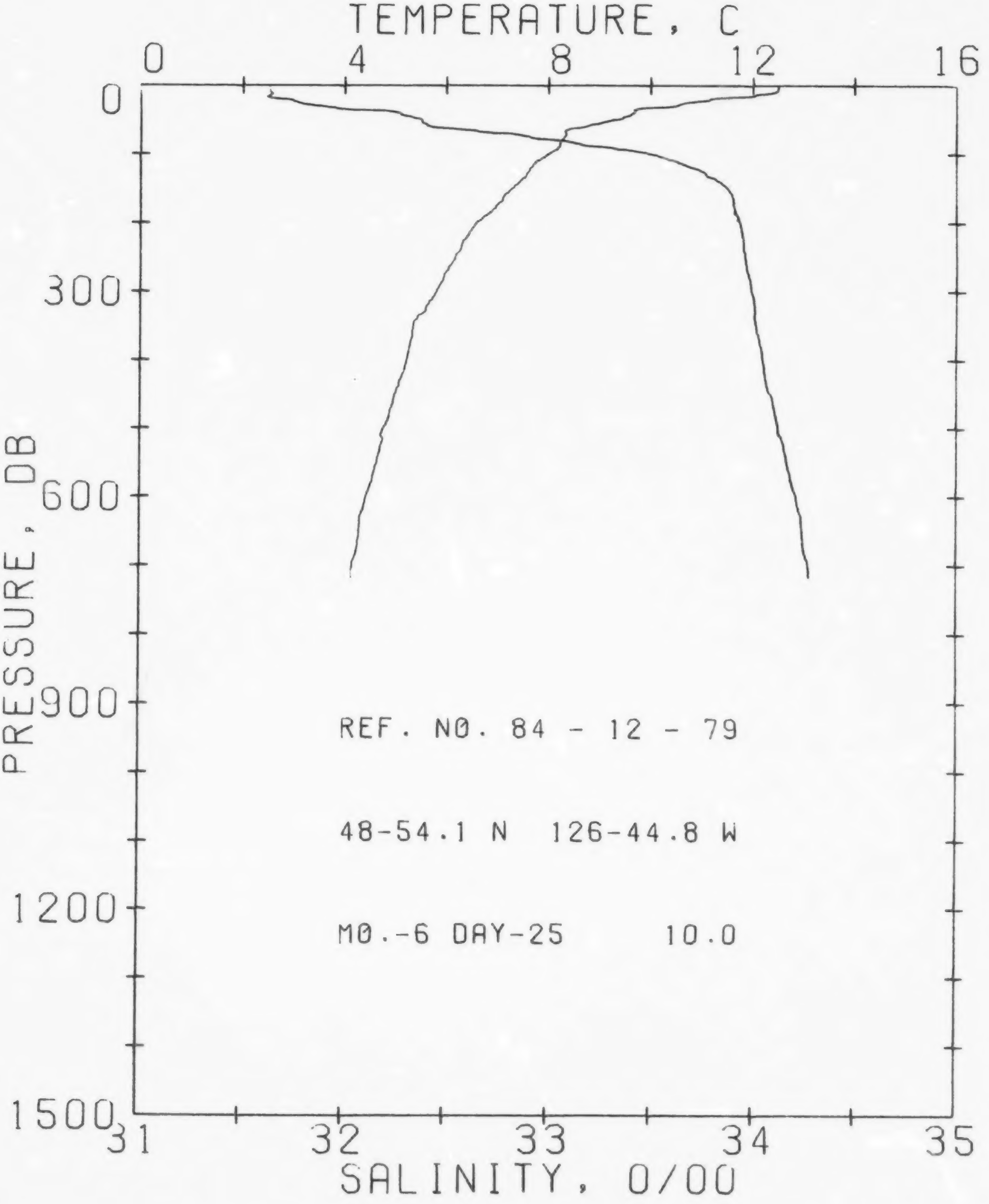
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 76         DATE 25/ 6/84
POSITION  49- 5.9N, 126-27.5W   GMT  7.4       STATION F 4
RESULTS OF STP CAST   126 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    11.56    31.95      0     24.33   360.4     .00     .00   1492.
  10    10.78    32.08     10     24.57   338.1     .35     .02   1490.
  20     9.16    32.30     20     25.01   296.3     .68     .07   1484.
  30     8.98    32.38     30     25.09   288.2     .97     .14   1484.
  50     8.10    32.92     50     25.65   235.7    1.50     .35   1481.
  75     7.46    33.62     75     26.29   174.9    1.99     .66   1480.
 100     6.87    33.85     99     26.56   150.2    2.38    1.01   1479.
 125     6.78    33.88    124     26.59   147.5    2.75    1.44   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 77
49-2.0 N 126-33.2 W
MO.-6 DAY-25 8.2

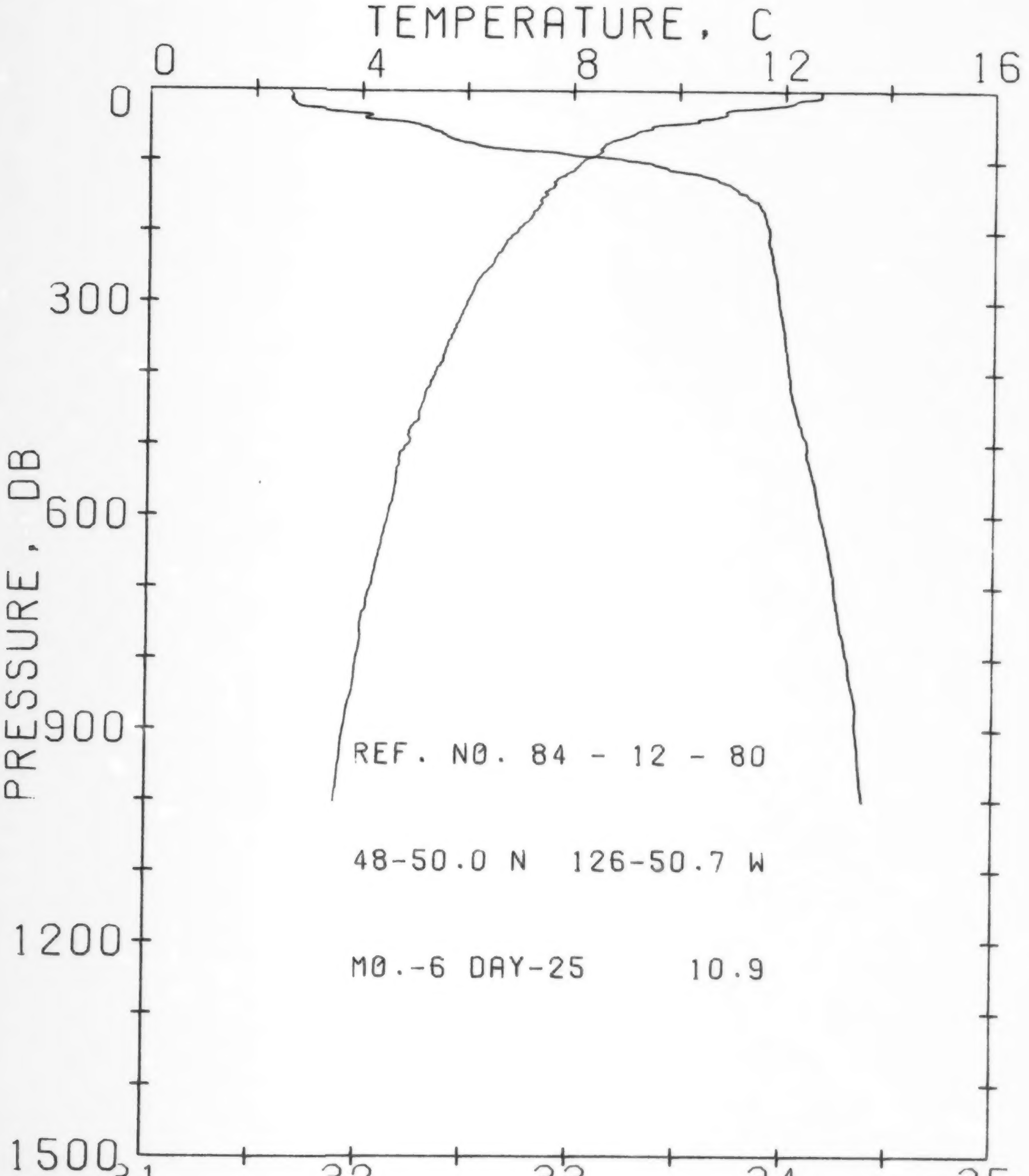
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 77         DATE 25/ 6/84
POSITION  49- 2.0N, 126-33.2W   GMT  8.2        STATION F 5
RESULTS OF STP CAST   151 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.   SOUND
                                    T                D       EN
    0   11.70   31.84        0    24.22   371.2     .00     .00   1492.
   10   10.75   31.93       10    24.46   348.5     .37     .02   1489.
   20    9.65   32.31       20    24.93   303.5     .69     .07   1486.
   30    9.43   32.36       30    25.01   296.3     .99     .14   1485.
   50    7.90   32.95       50    25.71   230.2    1.54     .37   1481.
   75    7.64   33.33       75    26.04   199.3    2.07     .70   1481.
  100    7.48   33.73       99    26.37   167.8    2.53    1.12   1481.
  125    6.66   33.90      124    26.62   144.3    2.93    1.56   1478.
  150    6.42   33.94      149    26.68   138.8    3.27    2.05   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 78
48-58.1 N 126-38.9 W
MO.-6 DAY-25 9.0

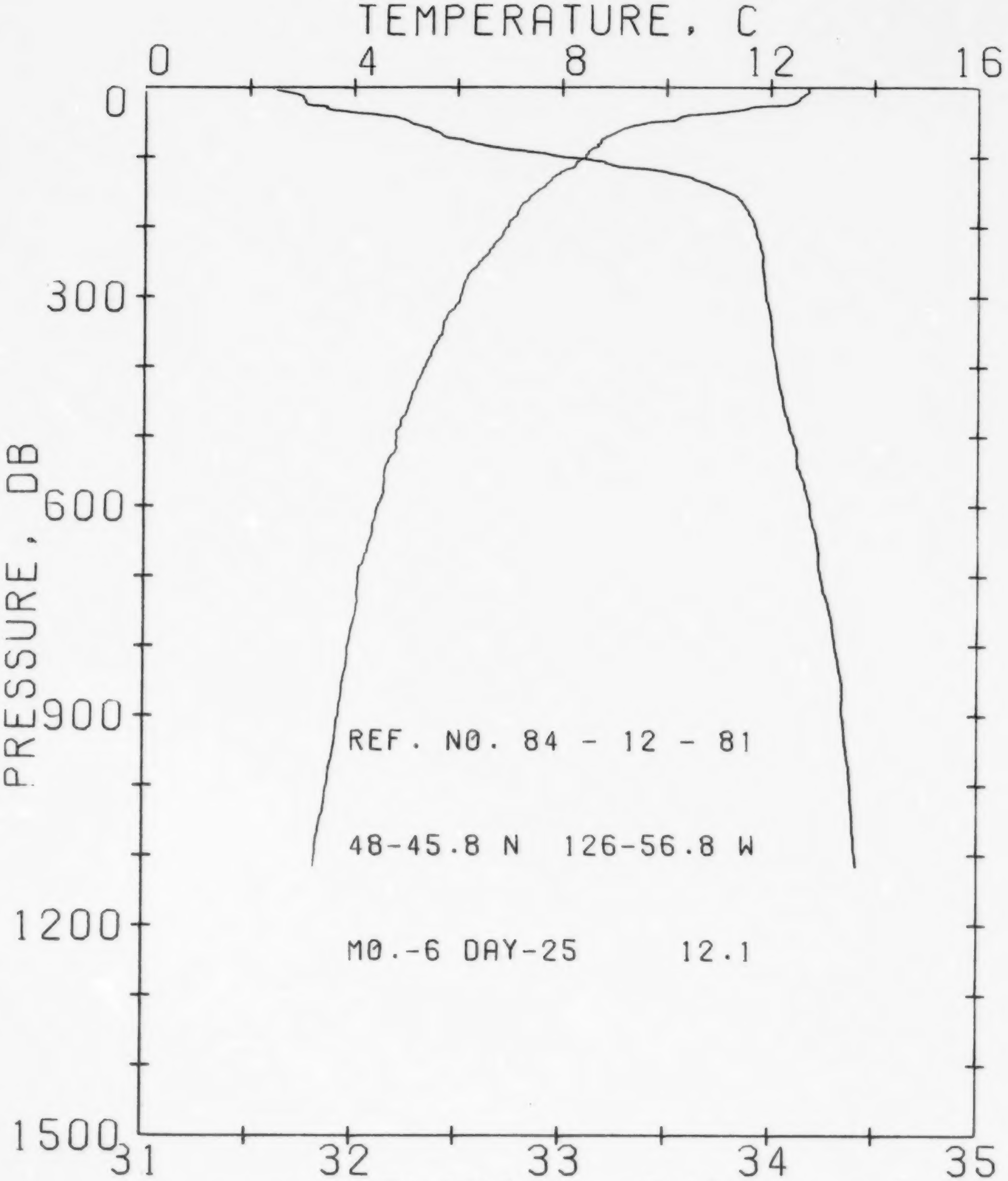
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 78         DATE 25/ 6/84
POSITION  48-58.1N, 126-38.9W   GMT  9.0       STATION F 6
RESULTS OF STP CAST   459 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    11.63    31.68       0    24.11   381.6     .00      .00  1492.
  10    11.00    31.76      10    24.28   365.4     .38      .02  1490.
  20    10.15    32.06      20    24.65   329.9     .72      .07  1487.
  30     9.39    32.14      30    24.84   312.0    1.04      .15  1485.
  50     8.93    32.39      50    25.11   286.7    1.63      .39  1484.
  75     8.10    32.79      75    25.55   245.6    2.31      .82  1482.
 100     7.84    33.51      99    26.15   188.8    2.86     1.31  1482.
 125     7.58    33.74     124    26.37   168.2    3.30     1.81  1482.
 150     6.96    33.87     149    26.56   150.6    3.70     2.37  1480.
 175     6.33    33.95     174    26.70   137.4    4.06     2.96  1478.
 200     6.05    33.97     199    26.76   132.4    4.39     3.61  1477.
 225     5.82    33.99     223    26.80   128.6    4.72     4.31  1477.
 250     5.59    34.01     248    26.84   124.6    5.04     5.08  1476.
 300     5.38    34.03     298    26.88   121.4    5.65     6.80  1476.
 400     5.10    34.07     397    26.95   116.2    6.84    11.04  1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 79
48-54.1 N 126-44.8 W
M0.-6 DAY-25 10.0

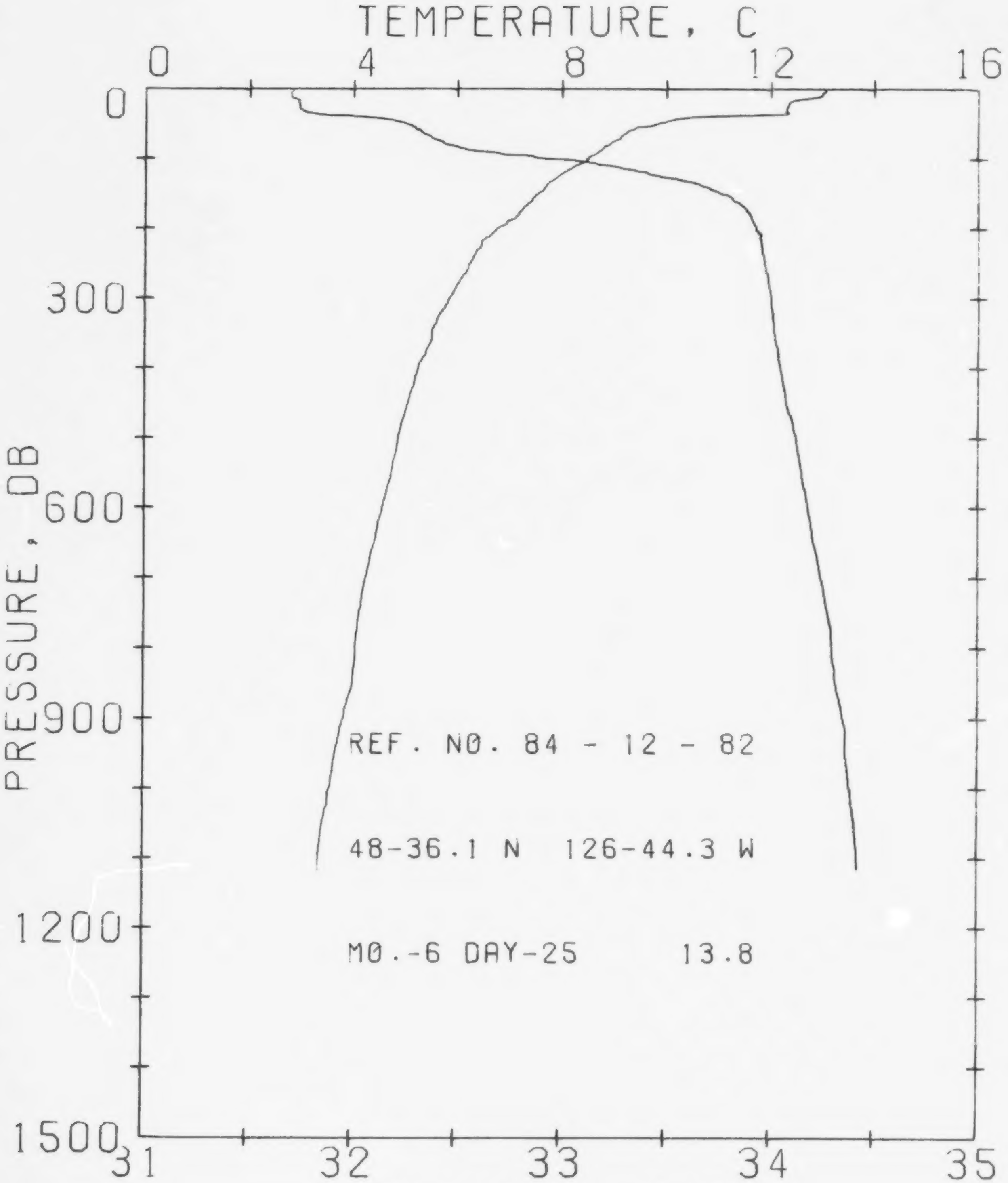
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 79          DATE 25/ 6/84
POSITION   48-54.1N, 126-44.8W    GMT 10.0       STATION F 7
RESULTS OF STP CAST    718 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS     TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                        T                 D        EN
   0     12.51     31.63        0     23.91    400.9      .00       .00   1495.
  10     12.39     31.64       10     23.94    398.3      .40       .02   1495.
  20     11.18     31.72       20     24.22    371.6      .79       .08   1491.
  30     10.40     31.90       30     24.50    345.3     1.15       .17   1488.
  50      9.24     32.38       50     25.06    292.1     1.77       .42   1485.
  75      8.31     32.92       75     25.62    239.1     2.44       .85   1483.
 100      7.99     33.51       99     26.13    191.3     2.97      1.32   1483.
 125      7.61     33.76      124     26.38    167.4     3.42      1.83   1482.
 150      7.28     33.88      149     26.52    154.5     3.82      2.39   1481.
 175      6.98     33.91      174     26.58    148.9     4.20      3.02   1480.
 200      6.58     33.94      199     26.66    141.7     4.56      3.71   1479.
 225      6.33     33.95      223     26.70    137.8     4.91      4.47   1479.
 250      6.18     33.96      248     26.73    135.5     5.26      5.30   1478.
 300      5.81     33.99      298     26.80    129.0     5.92      7.15   1478.
 400      5.22     34.05      397     26.92    118.9     7.15     11.53   1477.
 500      4.76     34.12      496     27.03    109.0     8.29     16.76   1477.
 600      4.43     34.21      595     27.14     99.2     9.33     22.61   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 80
48-50.0 N 126-50.7 W
M0.-6 DAY-25 10.9

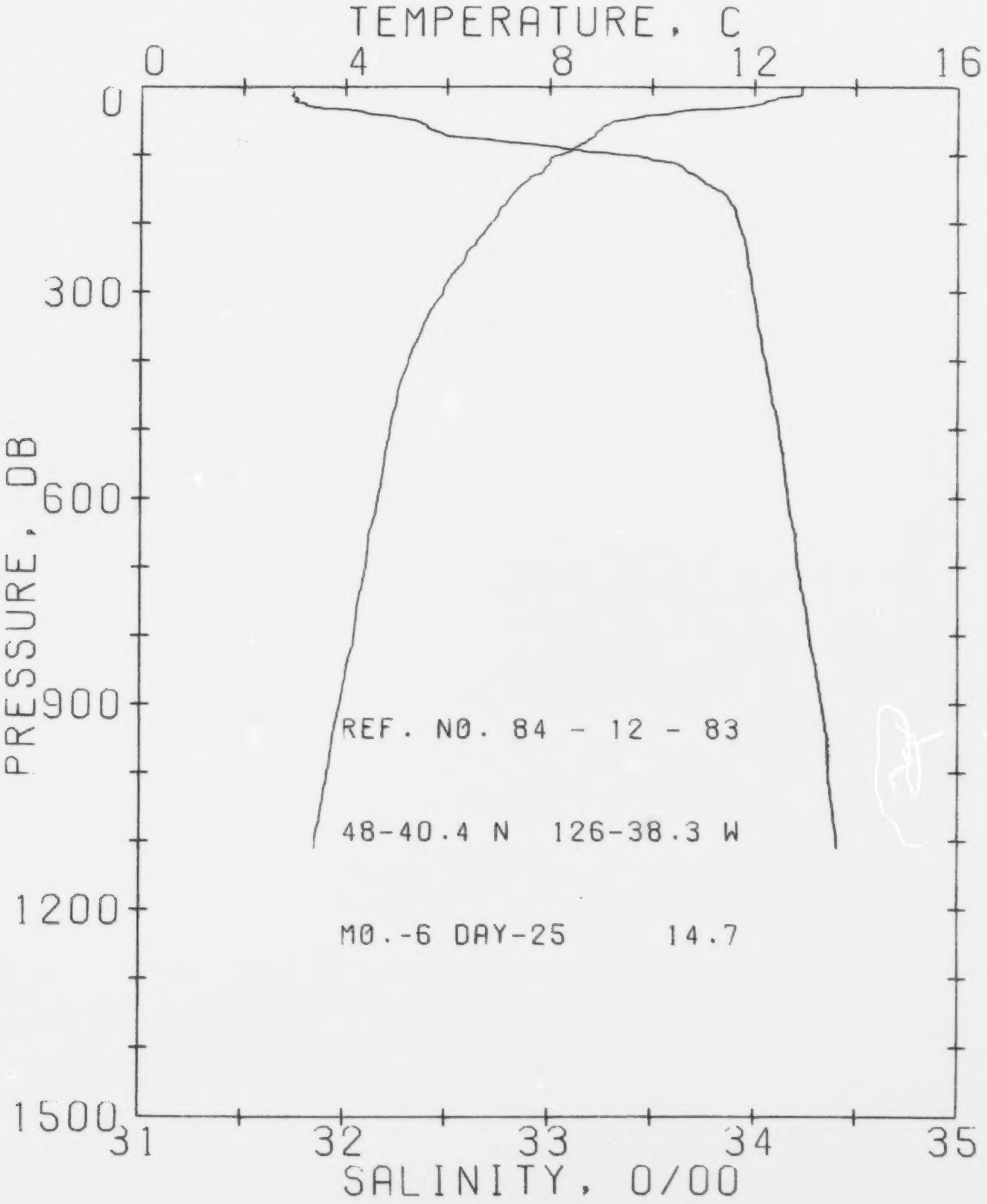
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 80          DATE 25/ 6/84
POSITION   48-50.0N, 126-50.7W    GMT 10.9        STATION F 8
RESULTS OF STP CAST  1003 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL     DEPTH     SIGMA    SVA     DELTA     POT.    SOUND
                                       T                D        EN
    0    12.69    31.66       0      23.90   401.8     .00       .00   1496.
   10    12.59    31.67      10      23.92   399.4     .40       .02   1495.
   20    11.87    31.69      20      24.07   385.9     .79       .08   1493.
   30    10.91    31.91      30      24.42   353.0    1.16       .17   1490.
   50     9.47    32.29      50      24.95   302.6    1.82       .44   1486.
   75     8.61    32.54      75      25.28   271.4    2.54       .90   1483.
  100     8.17    33.32      99      25.95   207.9    3.15      1.44   1483.
  125     7.70    33.68     124      26.31   174.5    3.63      1.98   1482.
  150     7.46    33.83     149      26.46   160.5    4.05      2.57   1482.
  175     7.26    33.90     174      26.54   152.7    4.44      3.21   1481.
  200     6.96    33.93     199      26.60   147.2    4.81      3.93   1481.
  225     6.68    33.94     224      26.65   143.3    5.17      4.72   1480.
  250     6.44    33.95     248      26.69   139.5    5.53      5.57   1480.
  300     6.02    33.98     298      26.76   132.9    6.20      7.47   1479.
  400     5.43    34.03     397      26.88   123.0    7.48     12.02   1478.
  500     4.91    34.12     496      27.01   111.2    8.66     17.40   1478.
  600     4.56    34.18     595      27.10   103.3    9.73     23.40   1478.
  800     3.97    34.31     793      27.27    88.5   11.64     37.01   1479.
 1000     3.57    34.38     991      27.36    80.2   13.32     52.40   1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 81
48-45.8 N 126-56.8 W
MO.-6 DAY-25 12.1

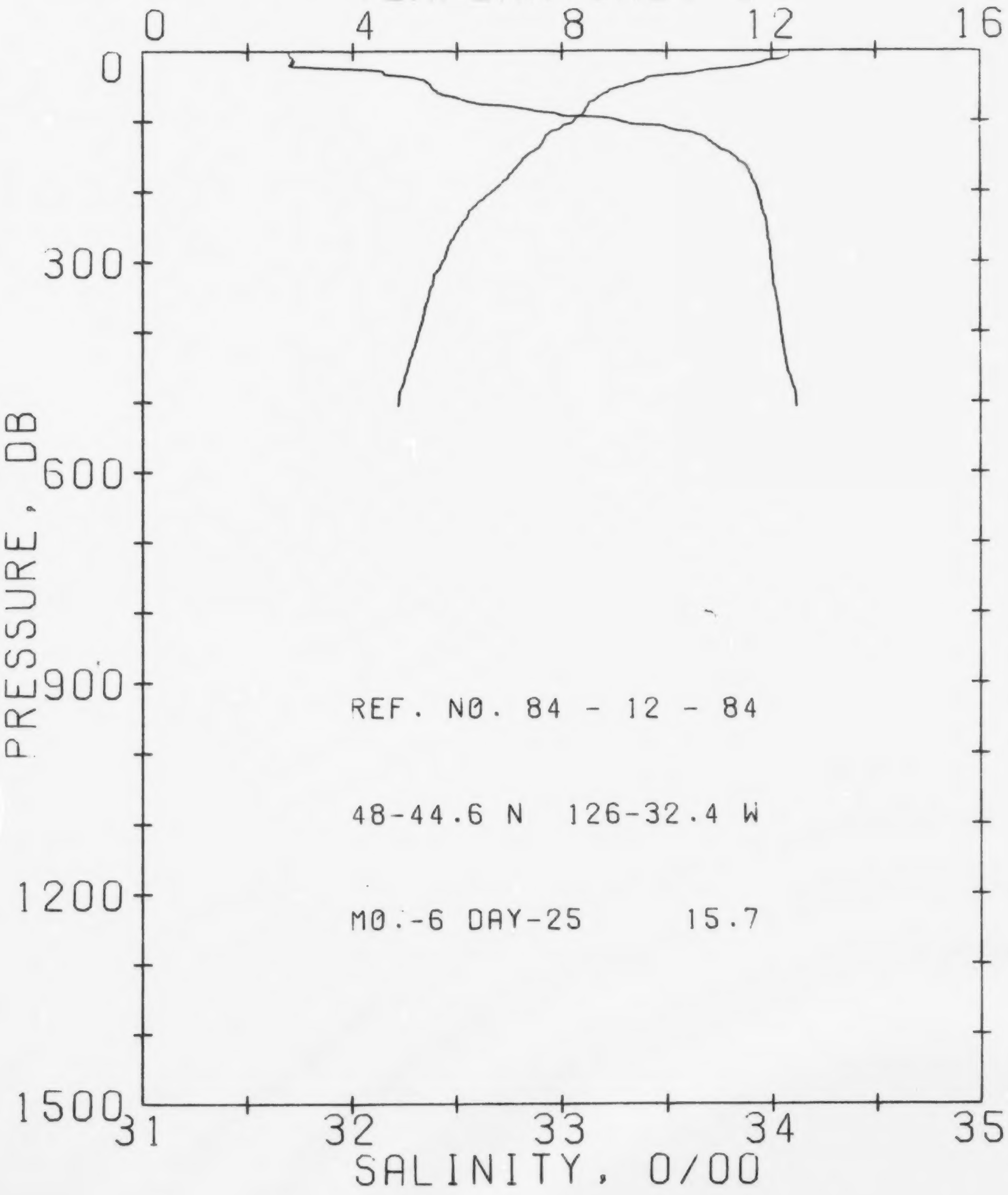
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 81          DATE 25/ 6/84
POSITION  48-45.8N, 126-56.8W   GMT 12.1       STATION F 9
RESULTS OF STP CAST  1117 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
    0   12.73   31.61       0    23.85   406.4      .00      .00   1496.
   10   12.66   31.74      10    23.96   396.3      .40      .02   1496.
   20   12.51   31.77      20    24.01   391.3      .80      .08   1495.
   30   11.58   31.87      30    24.26   367.7     1.18      .18   1493.
   50    9.67   32.27      50    24.90   307.1     1.84      .45   1486.
   75    8.75   32.53      75    25.25   273.8     2.57      .91   1484.
  100    8.48   33.01      99    25.67   235.0     3.21     1.48   1484.
  125    7.89   33.57     124    26.19   185.8     3.73     2.07   1483.
  150    7.51   33.80     149    26.42   163.9     4.17     2.68   1482.
  175    7.18   33.89     174    26.54   152.8     4.56     3.33   1481.
  200    6.94   33.93     199    26.60   147.2     4.94     4.05   1481.
  225    6.71   33.95     224    26.65   142.8     5.30     4.84   1480.
  250    6.43   33.96     248    26.70   138.6     5.65     5.69   1479.
  300    6.07   33.98     298    26.76   133.3     6.33     7.59   1479.
  400    5.38   34.03     397    26.88   122.5     7.60    12.13   1478.
  500    4.85   34.11     496    27.01   111.1     8.77    17.48   1477.
  600    4.48   34.19     595    27.11   101.9     9.84    23.45   1478.
  800    3.92   34.31     793    27.27    87.8    11.73    36.90   1479.
 1000    3.52   34.39     991    27.37    79.3    13.40    52.17   1480.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 82
48-36.1 N 126-44.3 W
MO.-6 DAY-25 13.8

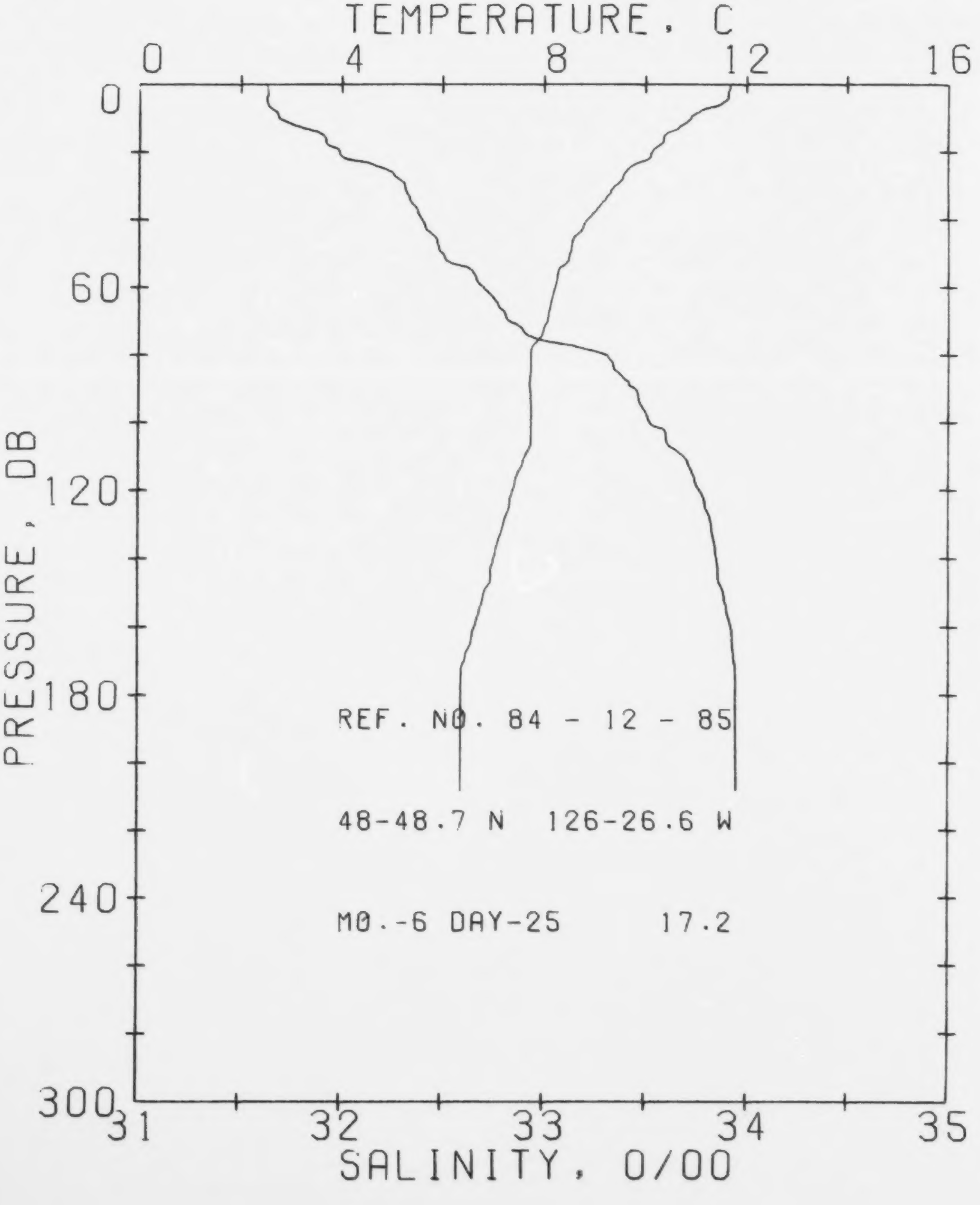
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 82          DATE 25/ 6/84
POSITION  48-36.1N, 126-44.3W    GMT 13.8       STATION E 9
RESULTS OF STP CAST  1117 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                     T                 D       EN
    0    13.07    31.71      0    23.86    405.5      .00      .00   1497.
   10    12.94    31.70     10    23.88    403.7      .41      .02   1497.
   20    12.36    31.74     20    24.02    390.8      .80      .08   1495.
   30    12.29    31.75     30    24.04    388.6     1.19      .18   1495.
   50     9.82    32.26     50    24.87    310.2     1.88      .46   1487.
   75     8.98    32.43     75    25.14    285.0     2.62      .93   1485.
  100     8.47    32.99     99    25.65    236.2     3.29     1.52   1484.
  125     7.93    33.48    124    26.11    192.9     3.82     2.13   1483.
  150     7.52    33.78    149    26.41    165.0     4.26     2.75   1482.
  175     7.21    33.89    174    26.54    153.0     4.66     3.40   1481.
  200     6.76    33.93    199    26.63    144.3     5.03     4.11   1480.
  225     6.45    33.96    224    26.69    139.0     5.38     4.87   1479.
  250     6.23    33.97    248    26.73    135.5     5.73     5.70   1479.
  300     5.85    34.00    298    26.81    128.8     6.39     7.55   1478.
  400     5.26    34.05    397    26.91    119.5     7.63    11.97   1477.
  500     4.88    34.12    496    27.02    110.4     8.78    17.24   1478.
  600     4.57    34.18    595    27.10    103.4     9.85    23.24   1478.
  800     4.07    34.30    793    27.24     90.7    11.77    36.93   1479.
 1000     3.57    34.39    991    27.36     79.9    13.48    52.57   1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 84 - 12 - 83
48-40.4 N 126-38.3 W
MO.-6 DAY-25 14.7
31
32
33
34
35
SALINITY, 0/00

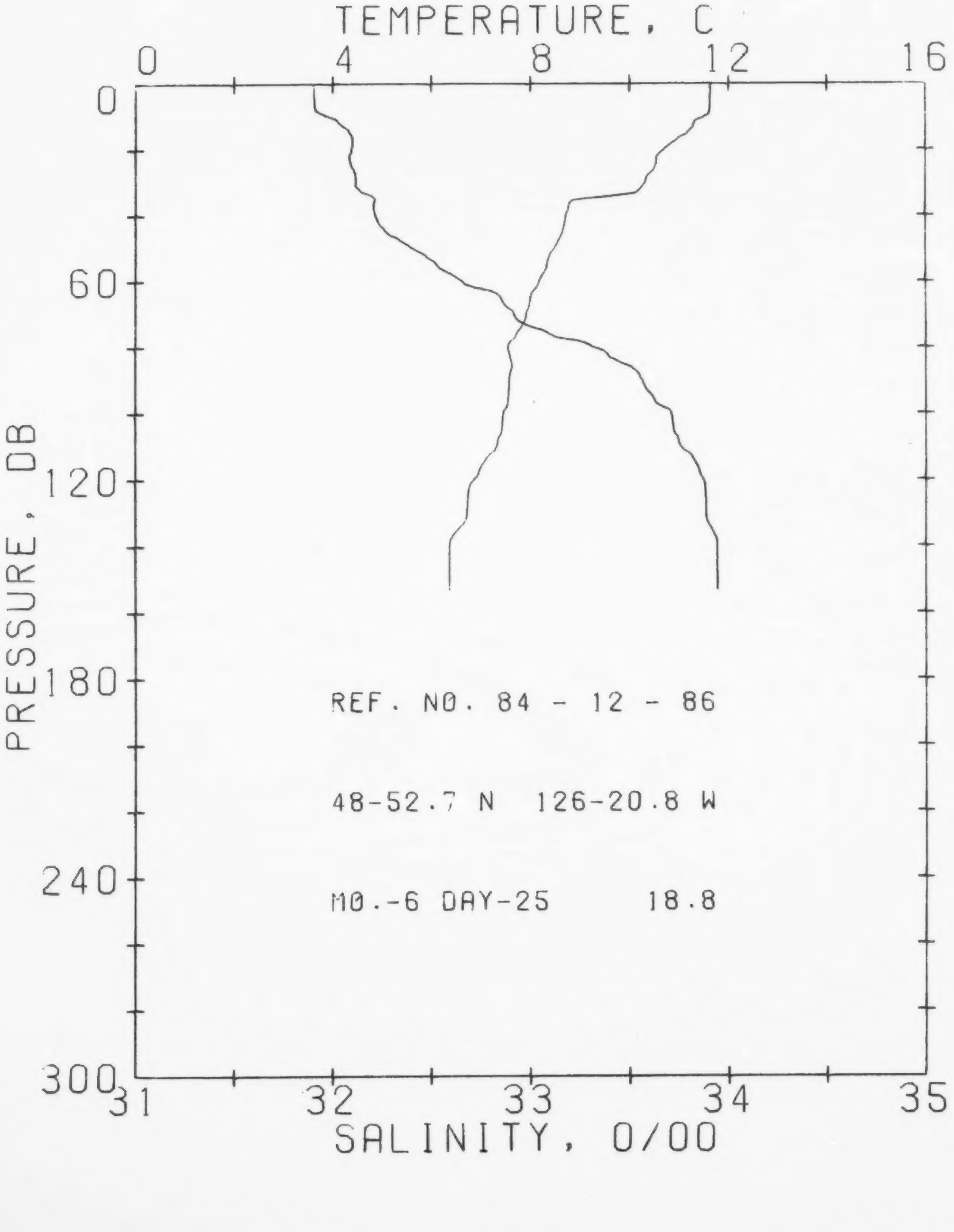
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 83          DATE 25/ 6/84
POSITION  48-40.4N, 126-38.3W   GMT 14.7        STATION E 8
RESULTS OF STP CAST  1111 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                 D       EN
    0   12.95   31.74       0    23.91   400.7      .00      .00   1497.
   10   12.94   31.75      10    23.91   400.5      .40      .02   1497.
   20   12.22   31.74      20    24.05   387.8      .79      .08   1494.
   30   11.52   31.89      30    24.29   365.3     1.17      .18   1492.
   50    9.24   32.36      50    25.04   294.0     1.82      .44   1485.
   75    8.80   32.65      75    25.33   266.1     2.53      .89   1484.
  100    8.13   33.42      99    26.03   199.9     3.12     1.41   1483.
  125    7.86   33.68     124    26.28   176.8     3.58     1.94   1483.
  150    7.38   33.82     149    26.46   160.2     4.00     2.52   1481.
  175    7.08   33.90     174    26.57   150.6     4.38     3.16   1481.
  200    6.86   33.93     199    26.62   146.0     4.75     3.87   1480.
  225    6.59   33.96     224    26.67   140.7     5.11     4.65   1480.
  250    6.36   33.97     248    26.71   137.2     5.46     5.49   1479.
  300    5.93   33.99     298    26.79   130.5     6.13     7.36   1478.
  400    5.25   34.06     397    26.92   118.7     7.37    11.78   1477.
  500    4.88   34.12     496    27.01   110.7     8.51    17.02   1478.
  600    4.64   34.17     595    27.08   105.5     9.59    23.07   1478.
  800    4.19   34.27     793    27.21    94.2    11.58    37.22   1480.
 1000    3.67   34.36     991    27.34    82.7    13.33    53.19   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 84
48-44.6 N 126-32.4 W
MO.-6 DAY-25 15.7

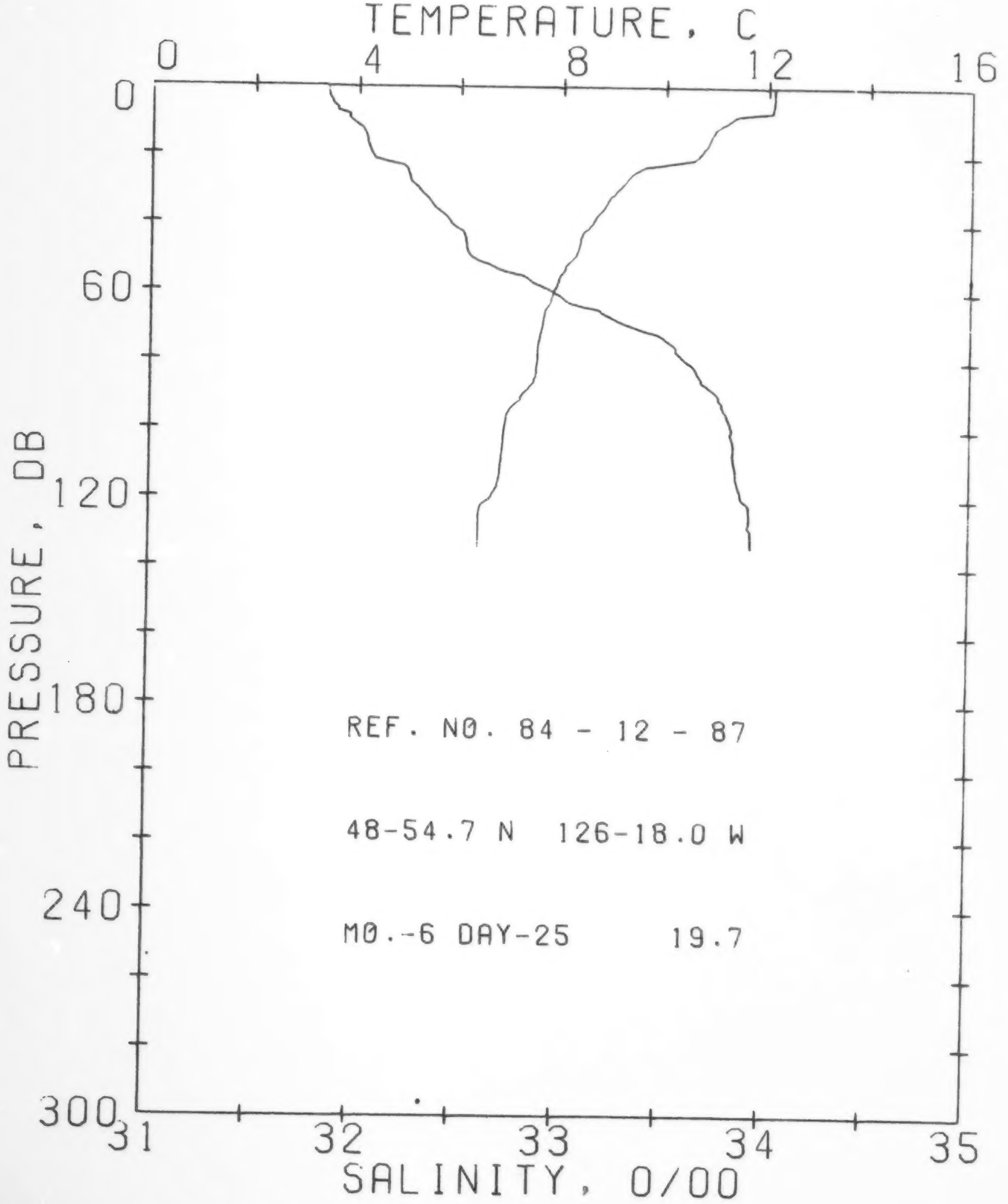
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 84          DATE 25/ 6/84
POSITION  48-44.6N, 126-32.4W   GMT 15.7        STATION E 7
RESULTS OF STP CAST   507 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS     TEMP      SAL    DEPTH     SIGMA     SVA     DELTA    POT.    SOUND
                                       T                 D       EN
    0    12.34    31.70        0     23.99   393.1       .00     .00   1495.
   10    12.24    31.71       10     24.02   390.1       .39     .02   1494.
   20    11.59    31.71       20     24.14   379.1       .78     .08   1492.
   30    10.54    32.15       30     24.67   329.1      1.13     .17   1489.
   50     9.19    32.38       50     25.06   291.5      1.74     .41   1485.
   75     8.50    32.62       75     25.36   263.9      2.43     .86   1483.
  100     8.22    33.29       99     25.92   210.4      3.02    1.38   1483.
  125     7.66    33.70      124     26.32   172.8      3.49    1.91   1482.
  150     7.31    33.83      149     26.48   158.4      3.91    2.50   1481.
  175     7.01    33.90      174     26.58   149.5      4.29    3.13   1480.
  200     6.65    33.94      199     26.65   142.6      4.66    3.83   1480.
  225     6.28    33.95      223     26.71   137.0      5.01    4.59   1478.
  250     6.05    33.98      248     26.76   132.5      5.34    5.40   1478.
  300     5.71    34.00      298     26.82   127.3      5.99    7.22   1477.
  400     5.26    34.04      397     26.91   119.6      7.22   11.60   1477.
  500     4.88    34.12      496     27.01   110.8      8.37   16.88   1478.
```

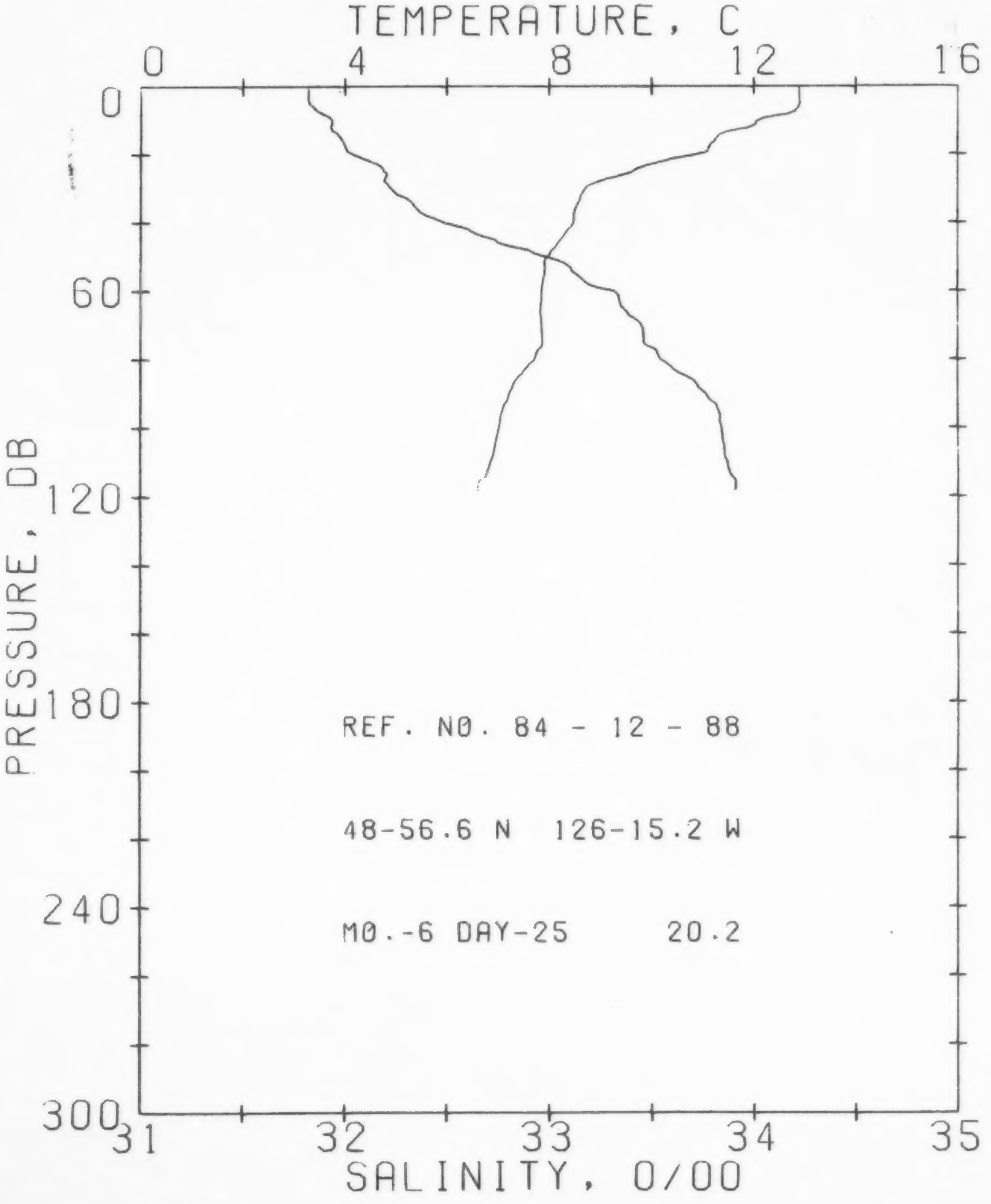

TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 85
48-48.7 N 126-26.6 W
MO.-6 DAY-25 17.2
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 85          DATE 25/ 6/84
POSITION  48-48.7N, 126-26.6W   GMT 17.2       STATION E 6
RESULTS OF STP CAST   209 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    11.68    31.64      0    24.06   385.9     .00      .00   1492.
  10    10.91    31.69     10    24.24   369.0     .38      .02   1490.
  20    10.12    31.99     20    24.61   334.2     .73      .07   1487.
  30     9.39    32.32     30    24.98   298.8    1.04      .15   1485.
  50     8.51    32.50     50    25.26   272.3    1.61      .38   1482.
  75     7.92    32.96     75    25.71   230.6    2.24      .78   1481.
 100     7.75    33.52     99    26.17   186.8    2.73     1.22   1482.
 125     7.32    33.79    124    26.45   161.0    3.16     1.71   1481.
 150     6.83    33.89    149    26.59   147.9    3.55     2.25   1479.
 175     6.38    33.95    174    26.69   138.2    3.90     2.84   1478.
 200     6.38    33.95    199    26.69   138.3    4.25     3.50   1478.
```

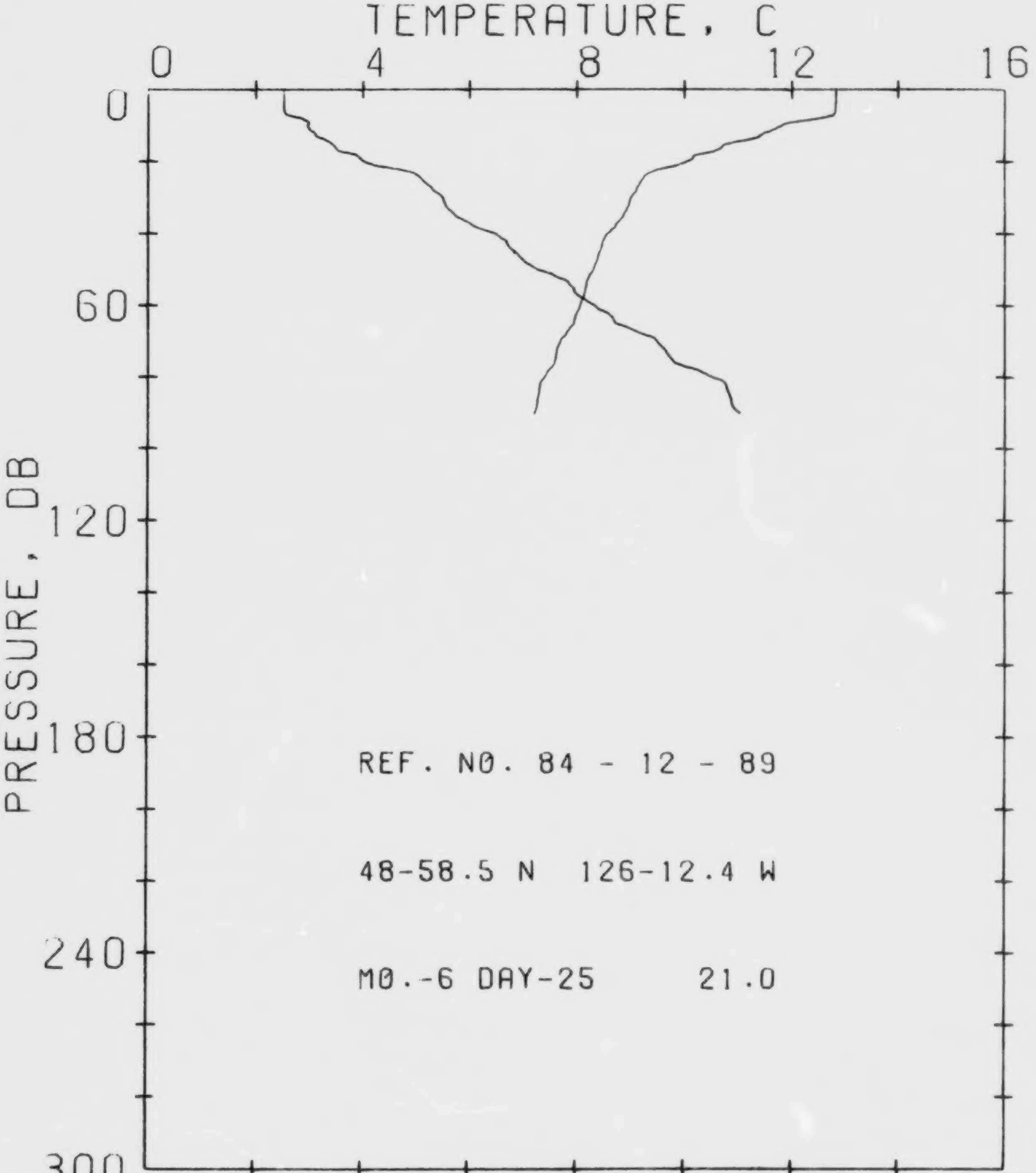

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 86
48-52.7 N 126-20.8 W
MO.-6 DAY-25 18.8
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 86          DATE 25/ 6/84
POSITION  48-52.7N, 126-20.8W   GMT 18.8       STATION E 5
RESULTS OF STP CAST   154 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                    T                D       EN
    0   11.63    31.91       0    24.28   365.2      .00      .00   1492.
   10   11.50    31.98      10    24.36   357.4      .36      .02   1492.
   20   10.70    32.10      20    24.59   335.7      .71      .07   1490.
   30   10.33    32.12      30    24.68   328.2     1.04      .16   1488.
   50    8.47    32.41      50    25.19   279.1     1.64      .40   1482.
   75    7.75    33.07      75    25.82   219.7     2.26      .79   1481.
  100    7.44    33.71      99    26.36   168.5     2.73     1.21   1481.
  125    6.73    33.88     124    26.60   146.6     3.13     1.66   1479.
  150    6.35    33.94     149    26.70   137.5     3.48     2.15   1478.
```

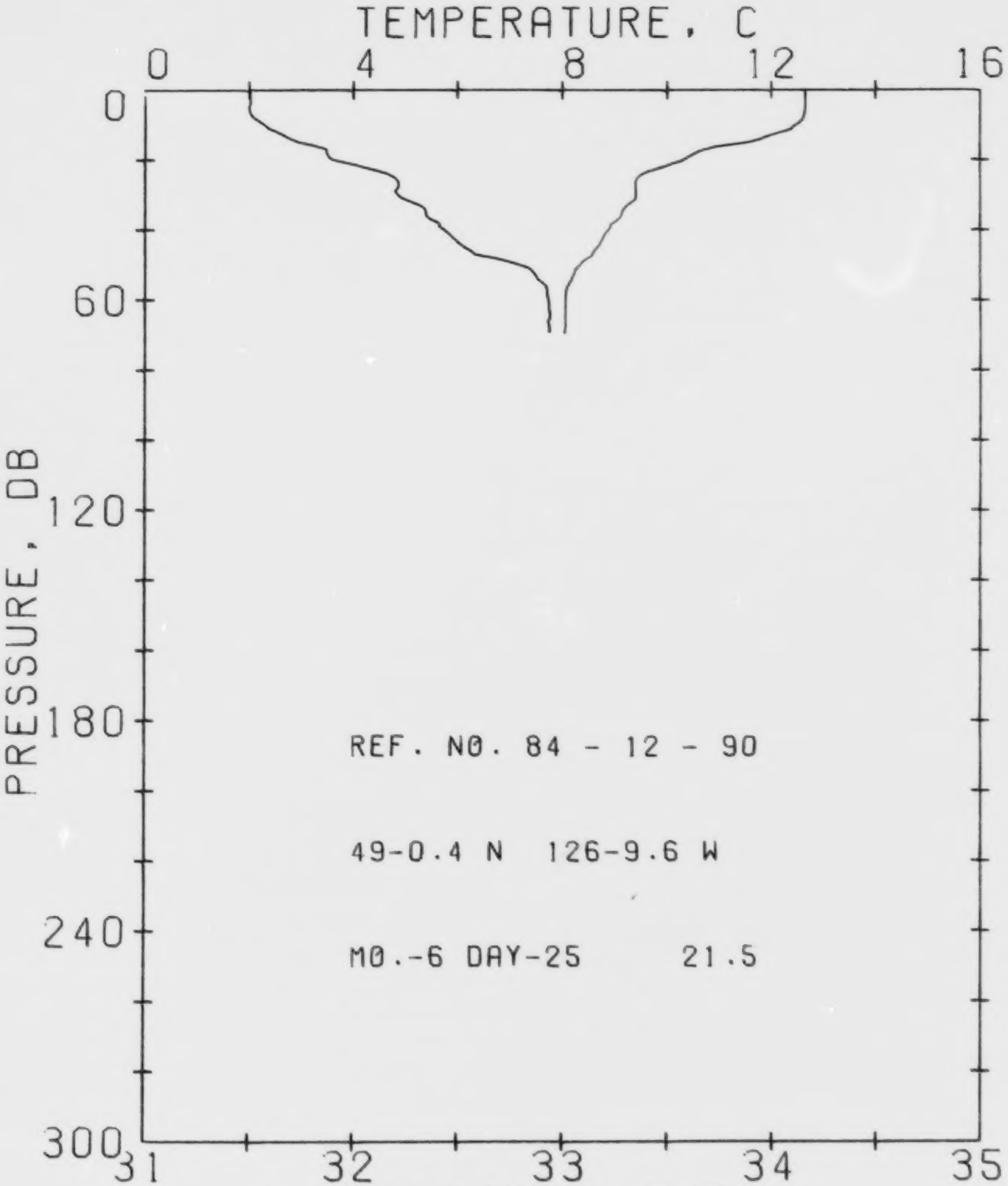

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 87
48-54.7 N 126-18.0 W
MO.-6 DAY-25 19.7
31
32
33
34
35
SALINITY, 0/00


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 88
48-56.6 N 126-15.2 W
M0.-6 DAY-25 20.2

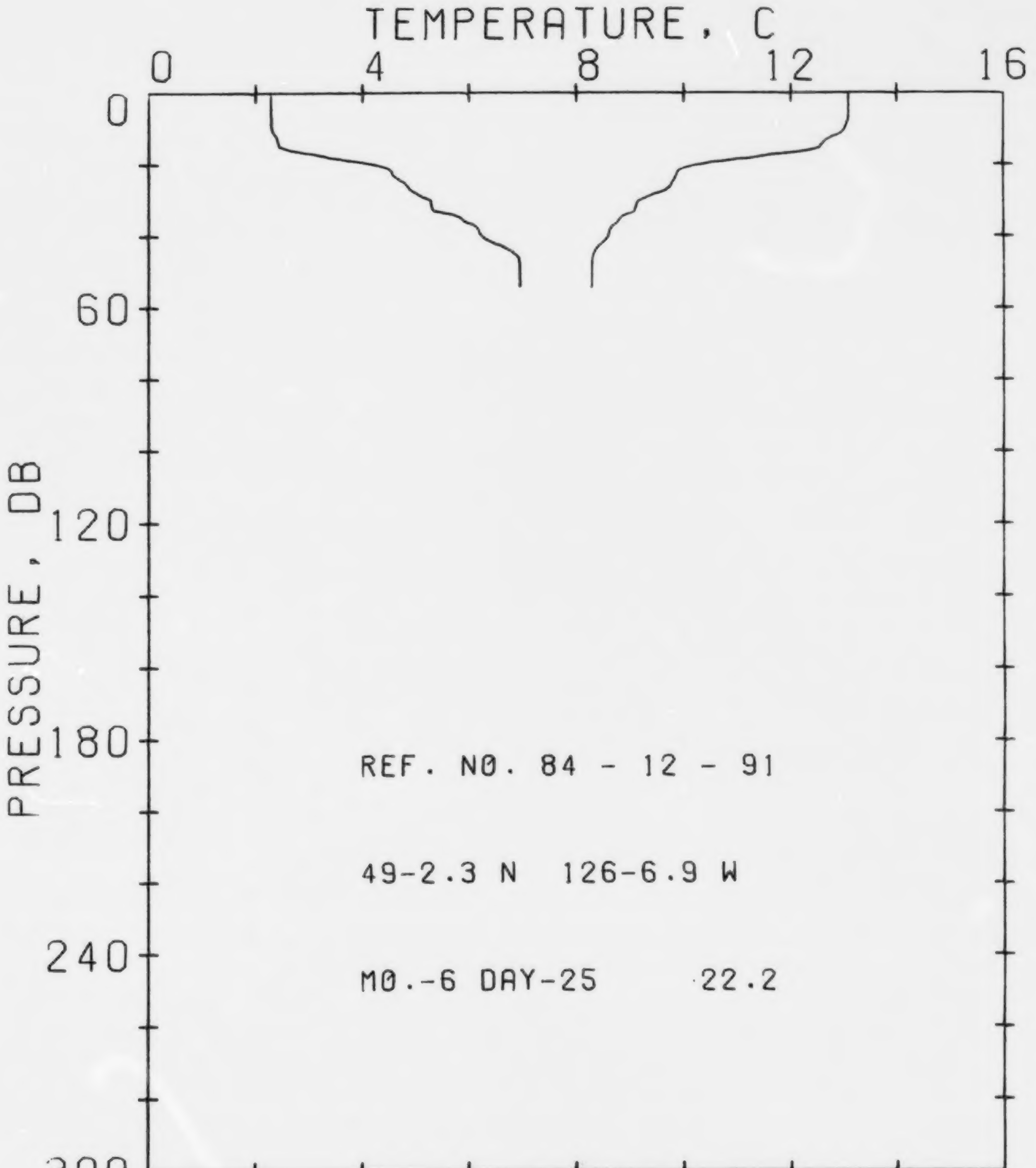
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 88          DATE 25/ 6/84
POSITION  48-56.6N, 126-15.2W   GMT 20.2       STATION E 4
RESULTS OF STP CAST   119 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS   TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
   0   12.90   31.82       0    23.98   394.1     .00      .00  1497.
  10   12.07   31.94      10    24.23   370.3     .39      .02  1494.
  20   10.83   32.04      20    24.53   342.1     .75      .07  1490.
  30    8.71   32.23      30    25.02   295.3    1.06      .15  1483.
  50    7.96   32.98      50    25.72   228.9    1.59      .37  1481.
  75    7.88   33.46      75    26.10   192.9    2.11      .69  1482.
 100    7.01   33.84      99    26.53   153.1    2.53     1.07  1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 89
48-58.5 N 126-12.4 W
MO.-6 DAY-25 21.0

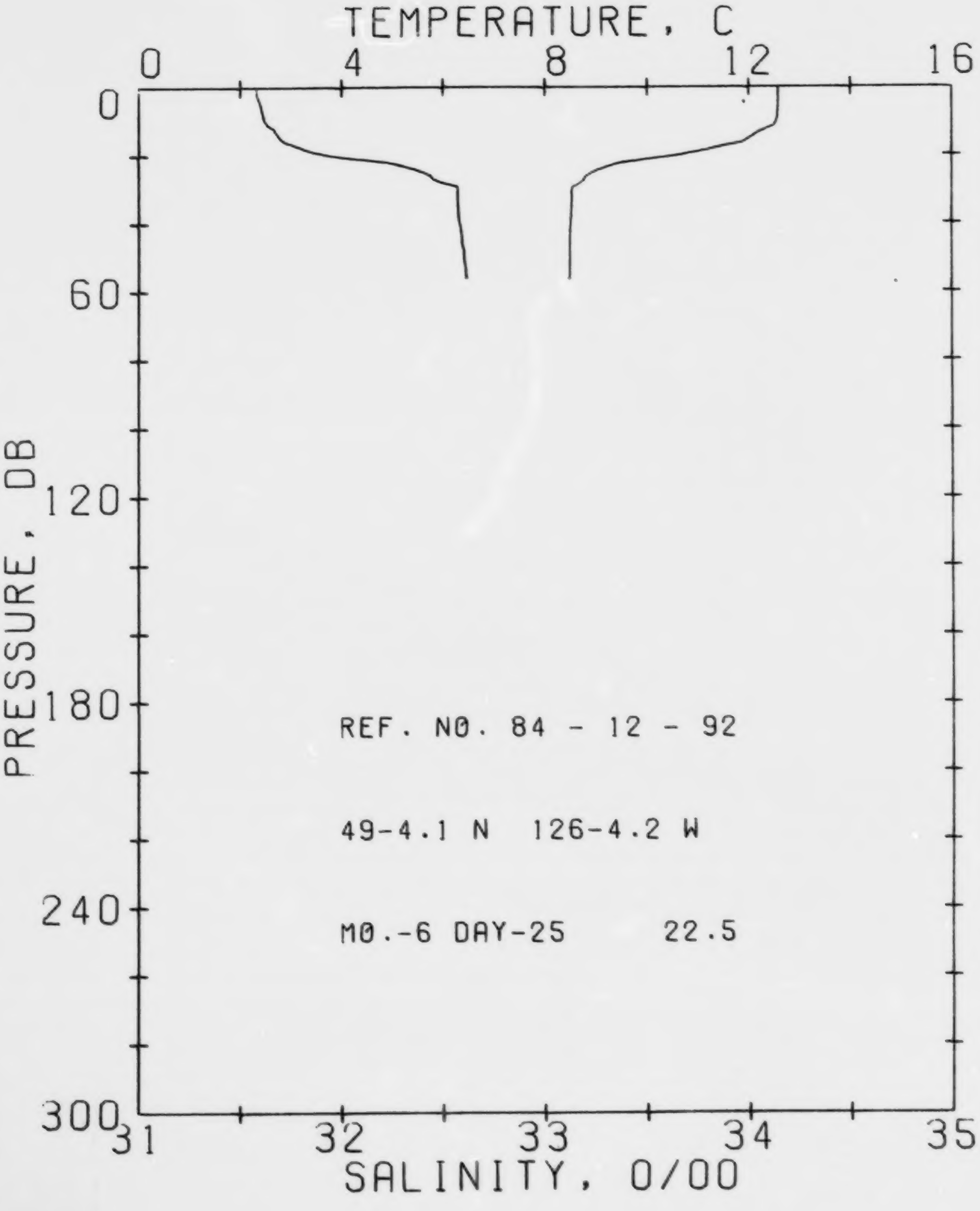
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 89        DATE 25/ 6/84
POSITION  48-58.5N, 126-12.4W   GMT 21.0       STATION E3A
RESULTS OF STP CAST    91 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T                D       EN
   0    12.84   31.63       0    23.84  406.8     .00      .00  1496.
  10    11.79   31.74      10    24.12  380.3     .40      .02  1493.
  20    10.04   32.01      20    24.64  331.6     .76      .07  1487.
  30     9.00   32.38      30    25.09  288.5    1.06      .15  1484.
  50     8.31   32.82      50    25.54  245.9    1.60      .37  1482.
  75     7.61   33.45      75    26.13  190.1    2.13      .71  1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 90
49-0.4 N 126-9.6 W
MO.-6 DAY-25 21.5
31
32
33
34
35
SALINITY, 0/00

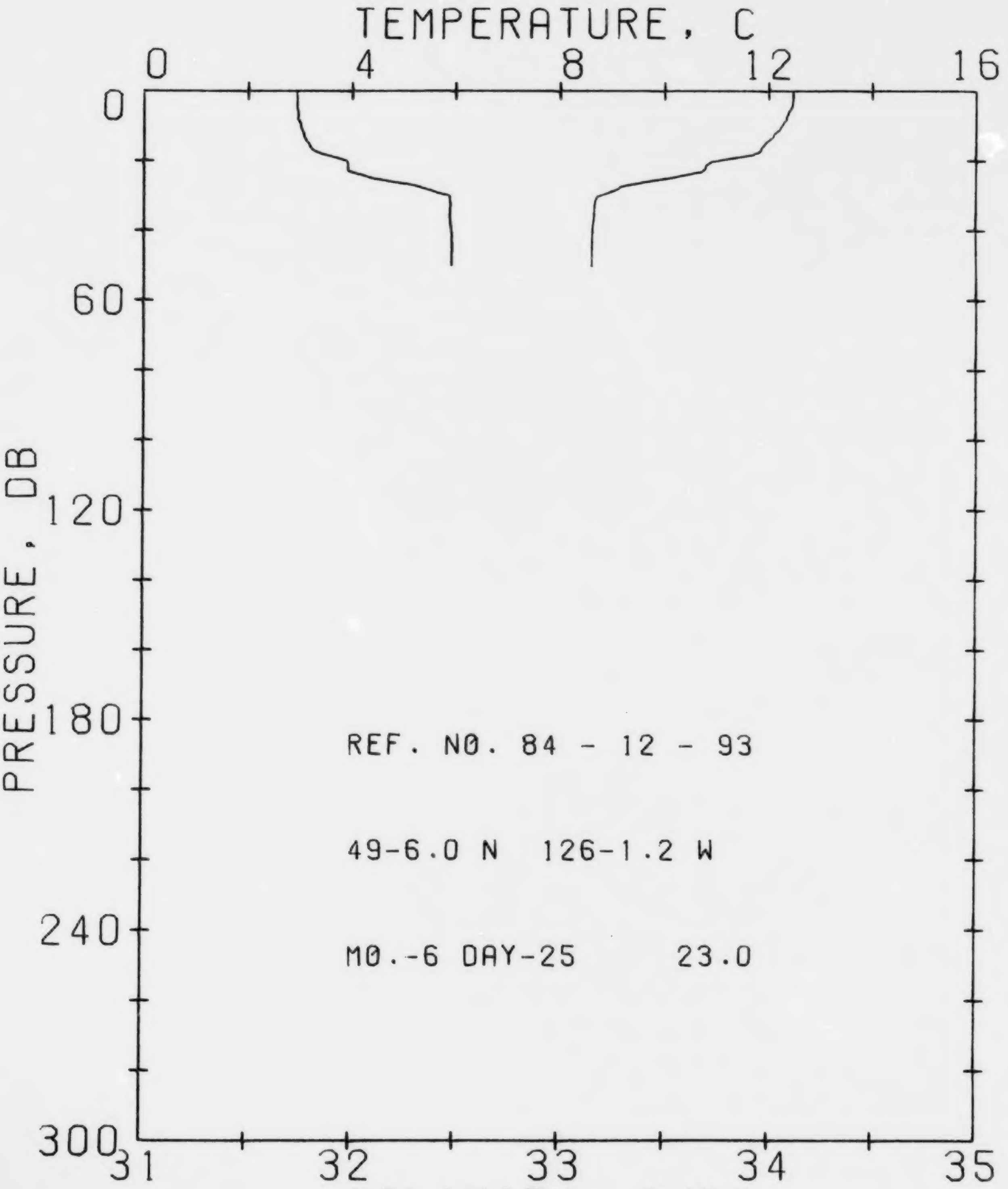
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 90        DATE 25/ 6/84
POSITION  49-  .4N, 126- 9.6W   GMT 21.5      STATION E 3
RESULTS OF STP CAST    70 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    12.66    31.51       0    23.78   412.9     .00      .00   1495.
  10    12.45    31.58      10    23.88   403.8     .41      .02   1495.
  20    10.29    31.90      20    24.51   343.5     .78      .08   1488.
  30     9.40    32.22      30    24.90   306.6    1.10      .16   1485.
  50     8.32    32.80      50    25.52   247.6    1.66      .38   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 91
49-2.3 N 126-6.9 W
MO.-6 DAY-25 22.2

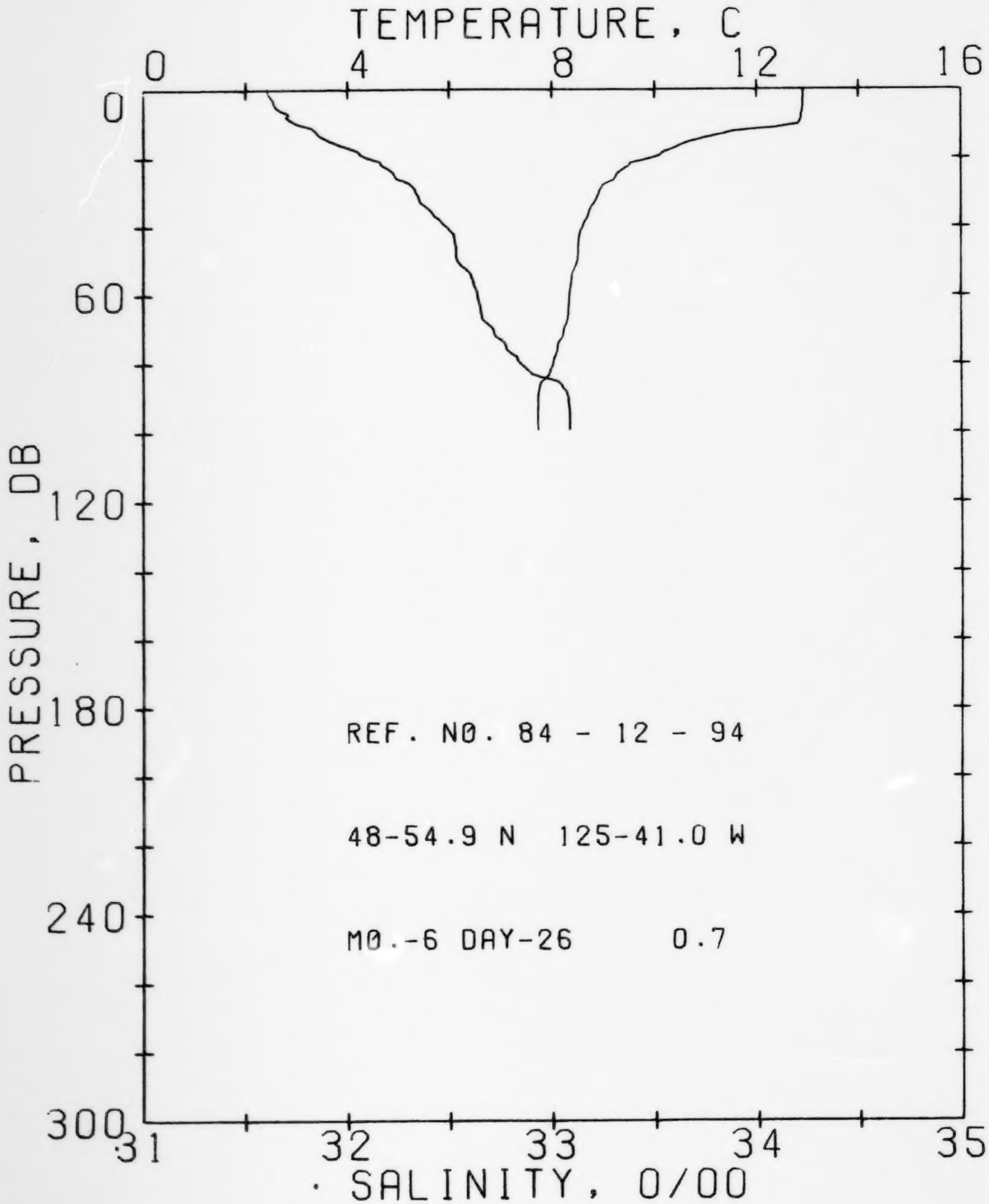
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 91          DATE 25/ 6/84
POSITION  49- 2.3N, 126- 6.9W   GMT 22.2       STATION E2A
RESULTS OF STP CAST    55 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
   0    13.10   31.57       0    23.75  416.0     .00      .00  1497.
  10    13.02   31.58      10    23.77  414.4     .42      .02  1497.
  20    10.20   32.06      20    24.65  330.2     .80      .08  1488.
  30     9.15   32.32      30    25.02  294.9    1.12      .16  1484.
  50     8.29   32.74      50    25.48  251.9    1.66      .38  1482.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 92
49-4.1 N 126-4.2 W
MO.-6 DAY-25 22.5
31
32
33
34
35
SALINITY, 0/00

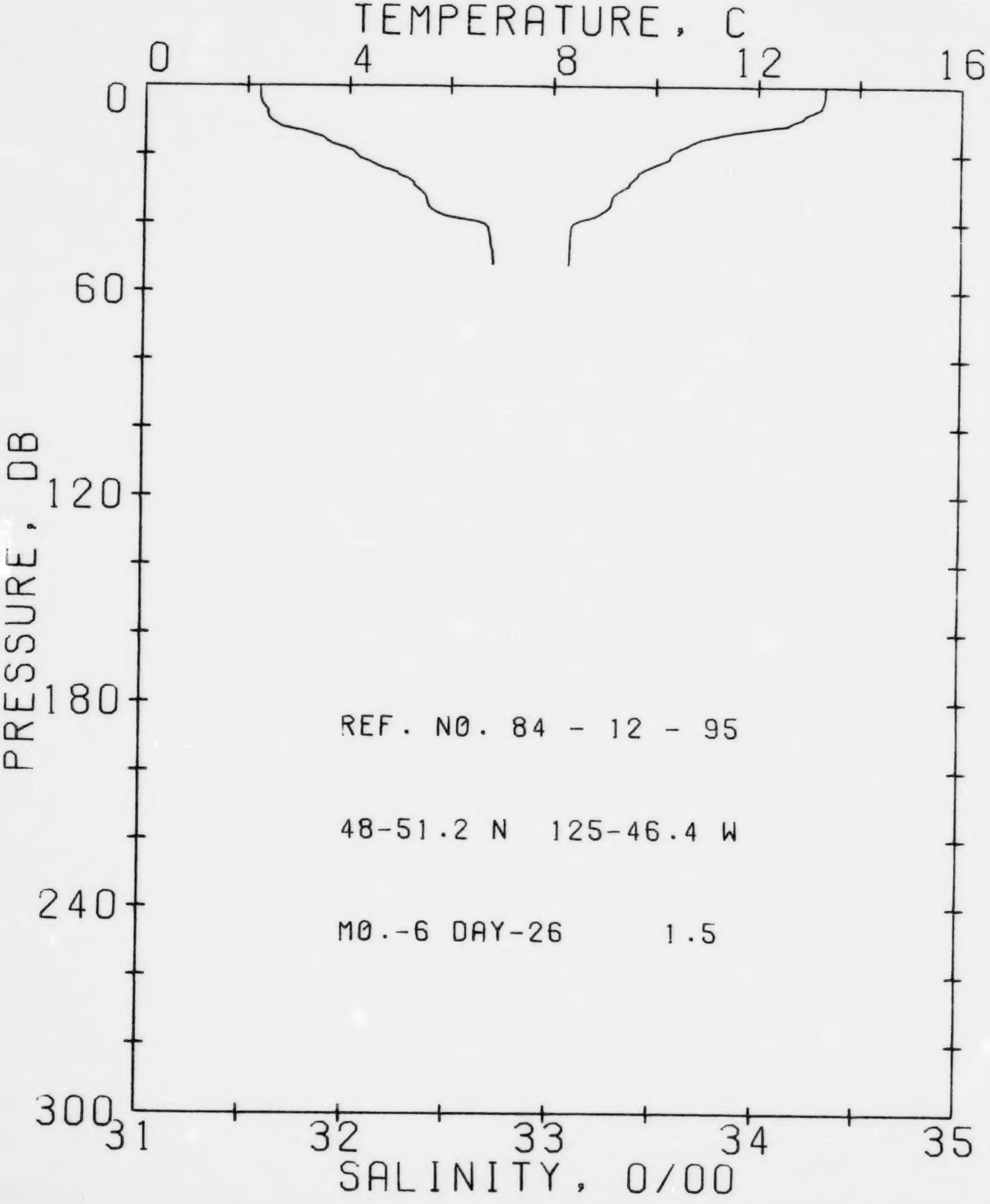
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 92         DATE 25/ 6/84
POSITION  49- 4.1N, 126- 4.2W   GMT 22.5      STATION E 2
RESULTS OF STP CAST    57 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    12.59    31.58       0    23.85   405.9     .00      .00   1495.
  10    12.56    31.63      10    23.89   402.3     .40      .02   1495.
  20    10.56    31.94      20    24.50   344.9     .79      .08   1489.
  30     8.53    32.58      30    25.32   266.9    1.08      .15   1482.
  50     8.48    32.60      50    25.35   264.5    1.61      .37   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 93
49-6.0 N 126-1.2 W
MO.-6 DAY-25 23.0

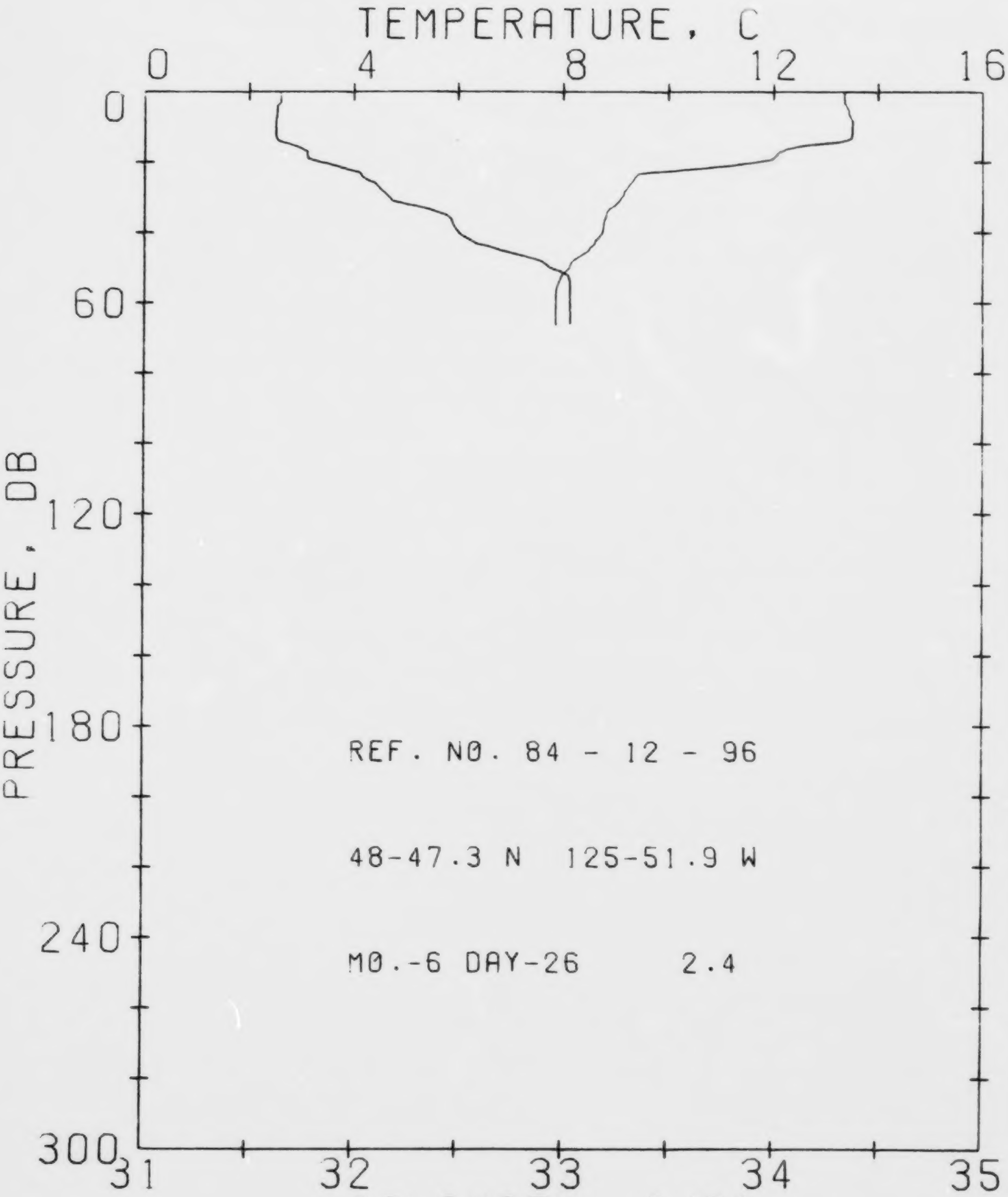
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 93          DATE 25/ 6/84
POSITION  49- 6.0N, 126- 1.2W   GMT 23.0       STATION E 1
RESULTS OF STP CAST     51 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
   0    12.47    31.73       0    23.99   392.7    .00      .00   1495.
  10    12.25    31.76      10    24.05   387.4    .39      .02   1494.
  20    10.92    31.98      20    24.46   348.2    .77      .08   1490.
  30     8.71    32.47      30    25.21   277.3   1.09      .16   1483.
  50     8.60    32.48      50    25.23   275.6   1.64      .38   1483.

PRES   DEPTH      TEMP     SAL       PRES   DEPTH        TEMP     SAL

  0.             12.47    31.73       26.                9.58    32.20
  1.             12.47    31.73       27.                9.19    32.30
  2.             12.47    31.74       28.                9.10    32.35
  3.             12.47    31.73       29.                8.92    32.41
  4.             12.47    31.74       30.                8.71    32.47
  5.             12.43    31.73       31.                8.68    32.47
  6.             12.39    31.74       32.                8.66    32.47
  7.             12.37    31.74       33.                8.65    32.47
  8.             12.34    31.74       34.                8.65    32.47
  9.             12.29    31.75       35.                8.64    32.47
 10.             12.25    31.76       36.                8.64    32.47
 11.             12.21    31.76       37.                8.63    32.47
 12.             12.11    31.77       38.                8.62    32.47
 13.             12.09    31.77       39.                8.62    32.48
 14.             12.00    31.78       40.                8.61    32.48
 15.             11.93    31.79       41.                8.61    32.48
 16.             11.88    31.80       42.                8.61    32.48
 17.             11.85    31.81       43.                8.61    32.48
 18.             11.73    31.85       44.                8.60    32.48
 19.             11.32    31.92       45.                8.60    32.48
 20.             10.92    31.98       46.                8.60    32.48
 21.             10.80    31.98       47.                8.60    32.48
 22.             10.78    31.98       48.                8.60    32.48
 23.             10.72    31.98       49.                8.60    32.48
 24.             10.36    32.04       50.                8.60    32.48
 25.             10.02    32.10
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 84 - 12 - 94
48-54.9 N 125-41.0 W
M0.-6 DAY-26 0.7
31
32
33
34
35
SALINITY, 0/00

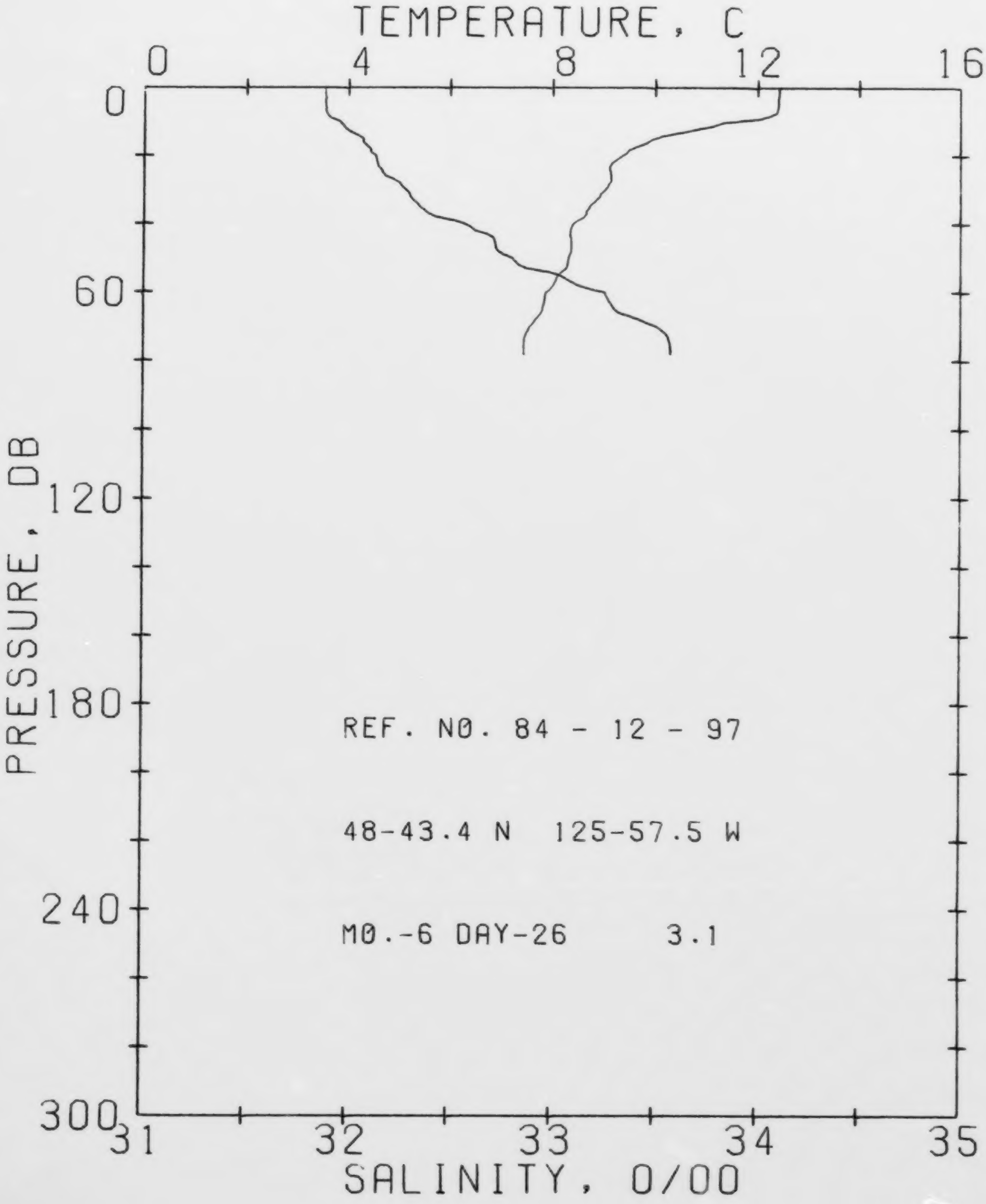
```
OFFSHORE OCEANOGRAPHY GROUP
REFFRENCE NO. 84-12- 94          DATE 26/ 6/84
POSITION  48-54.9N, 125-41.0W   GMT   .7       STATION D 2
RESULTS OF STP CAST   100 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
    0   12.93   31.61       0    23.81   410.1     .00      .00   1496.
   10   12.84   31.76      10    23.94   398.0     .41      .02   1496.
   20    9.87   32.11      20    24.74   321.8     .76      .07   1487.
   30    8.92   32.34      30    25.07   290.3    1.06      .15   1483.
   50    8.49   32.54      50    25.30   269.3    1.61      .38   1482.
   75    8.11   32.78      75    25.54   246.6    2.26      .79   1482.
  100    7.71   33.09      99    25.84   218.5    2.84     1.30   1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 95
48-51.2 N 125-46.4 W
MO.-6 DAY-26 1.5
31
32
33
34
35
SALINITY, 0/00

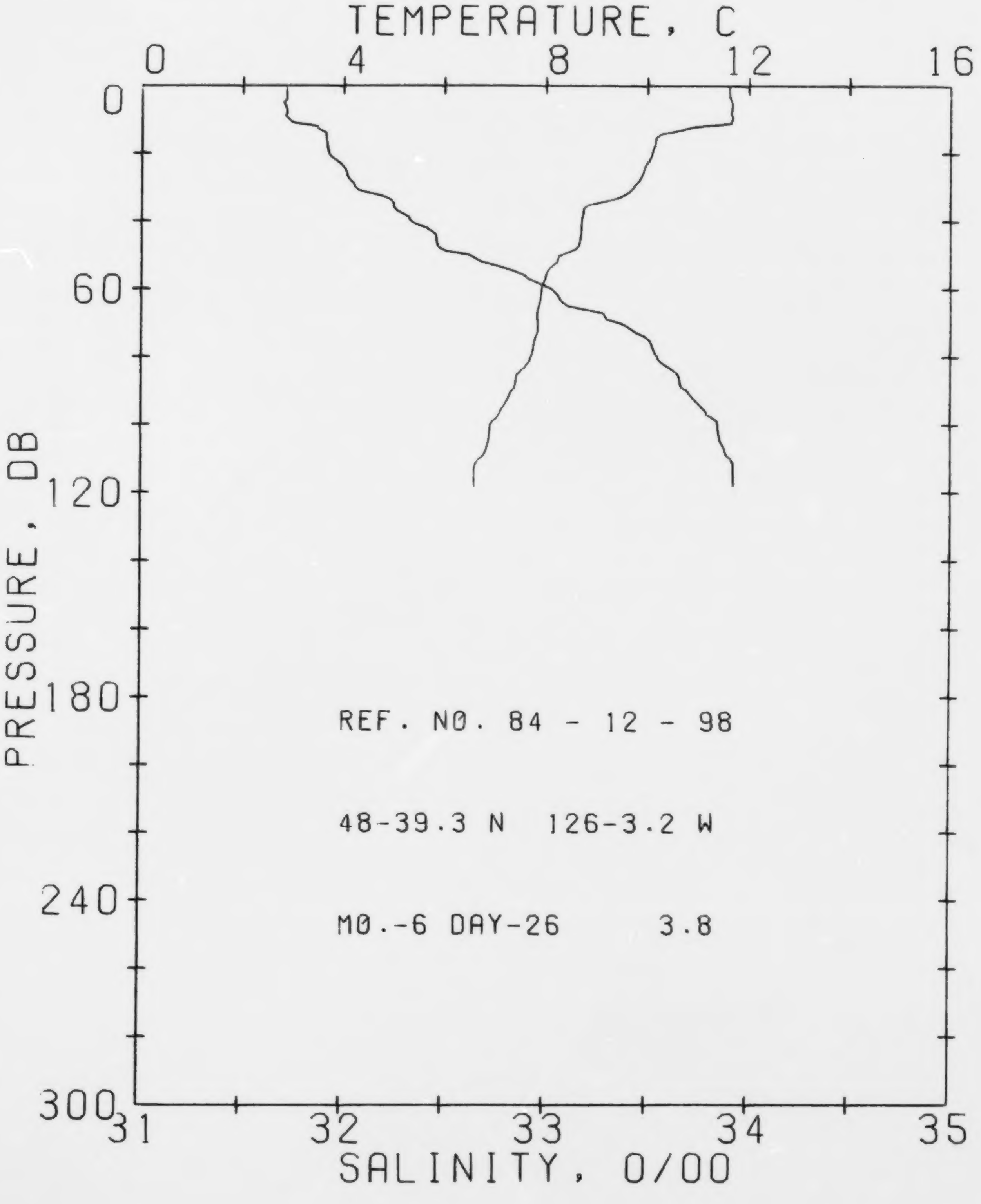
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 95          DATE 26/ 6/84
POSITION  48-51.2N, 125-46.4W    GMT  1.5       STATION D 3
RESULTS OF STP CAST     53 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D       EN
   0    13.32    31.56       0    23.70  421.0      .00       .00   1498.
  10    12.71    31.62      10    23.86  405.6      .42       .02   1496.
  20    10.31    32.04      20    24.62  333.5      .78       .08   1488.
  30     9.36    32.35      30    25.01  296.2     1.09 [illegible]  1485.
  50     8.32    32.71      50    25.45  254.5     1.63       .37   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 96
48-47.3 N 125-51.9 W
MO.-6 DAY-26 2.4
31
32
33
34
35
SALINITY, 0/00

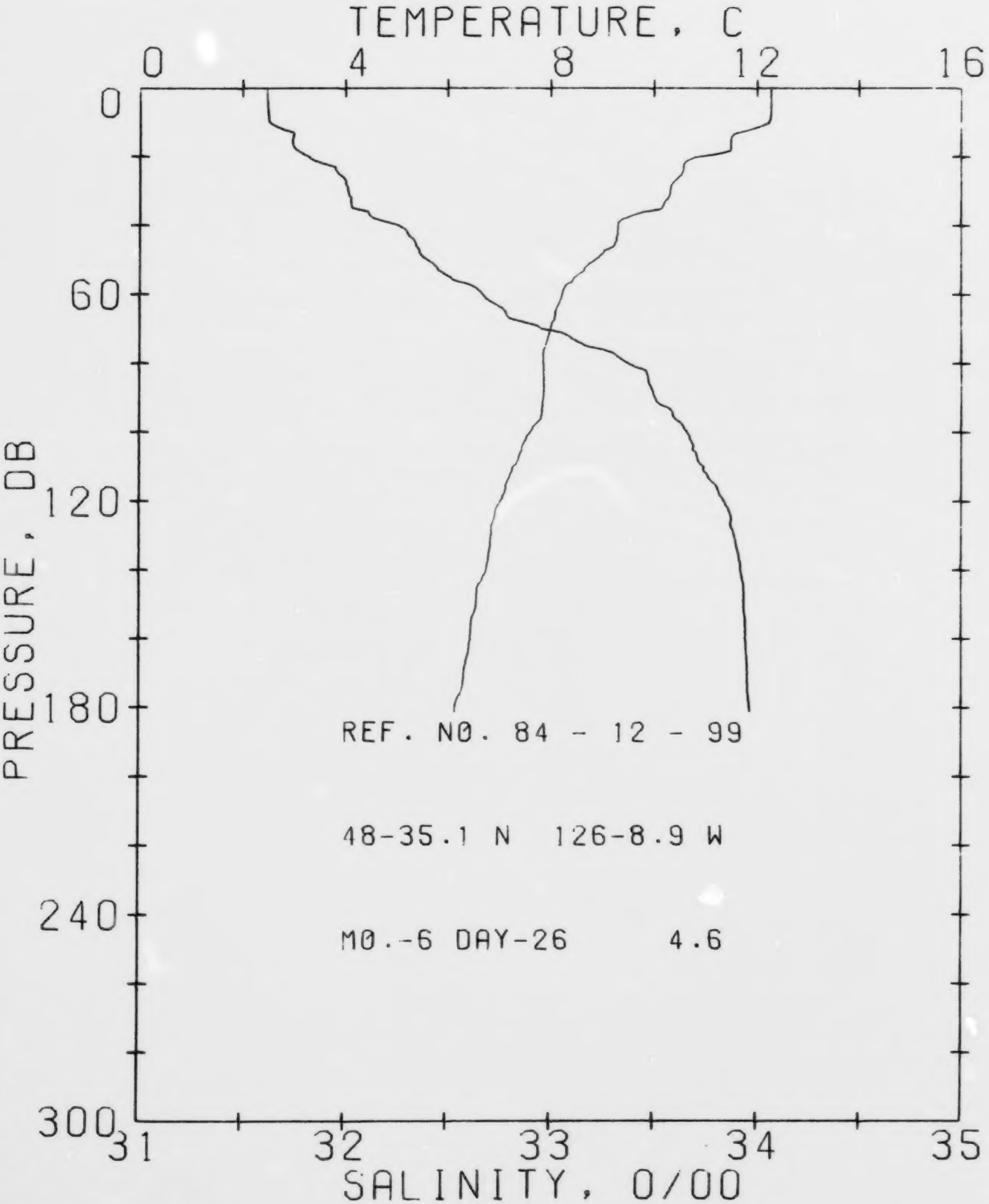
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 96          DATE 26/ 6/84
POSITION  48-47.3N, 125-51.9W   GMT  2.4       STATION D 4
RESULTS OF STP CAST    67 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARF INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA     POT.   SOUND
                                    T                D        EN
    0   13.36   31.65       0    23.76   415.1      .00      .00   1498.
   10   13.52   31.63      10    23.71   420.2      .42      .02   1499.
   20   11.58   31.84      20    24.24   369.2      .82      .08   1492.
   30    9.10   32.17      30    24.92   305.2     1.14      .16   1484.
   50    8.11   32.94      50    25.67   234.1     1.68      .38   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 97
48-43.4 N 125-57.5 W
MO.-6 DAY-26 3.1

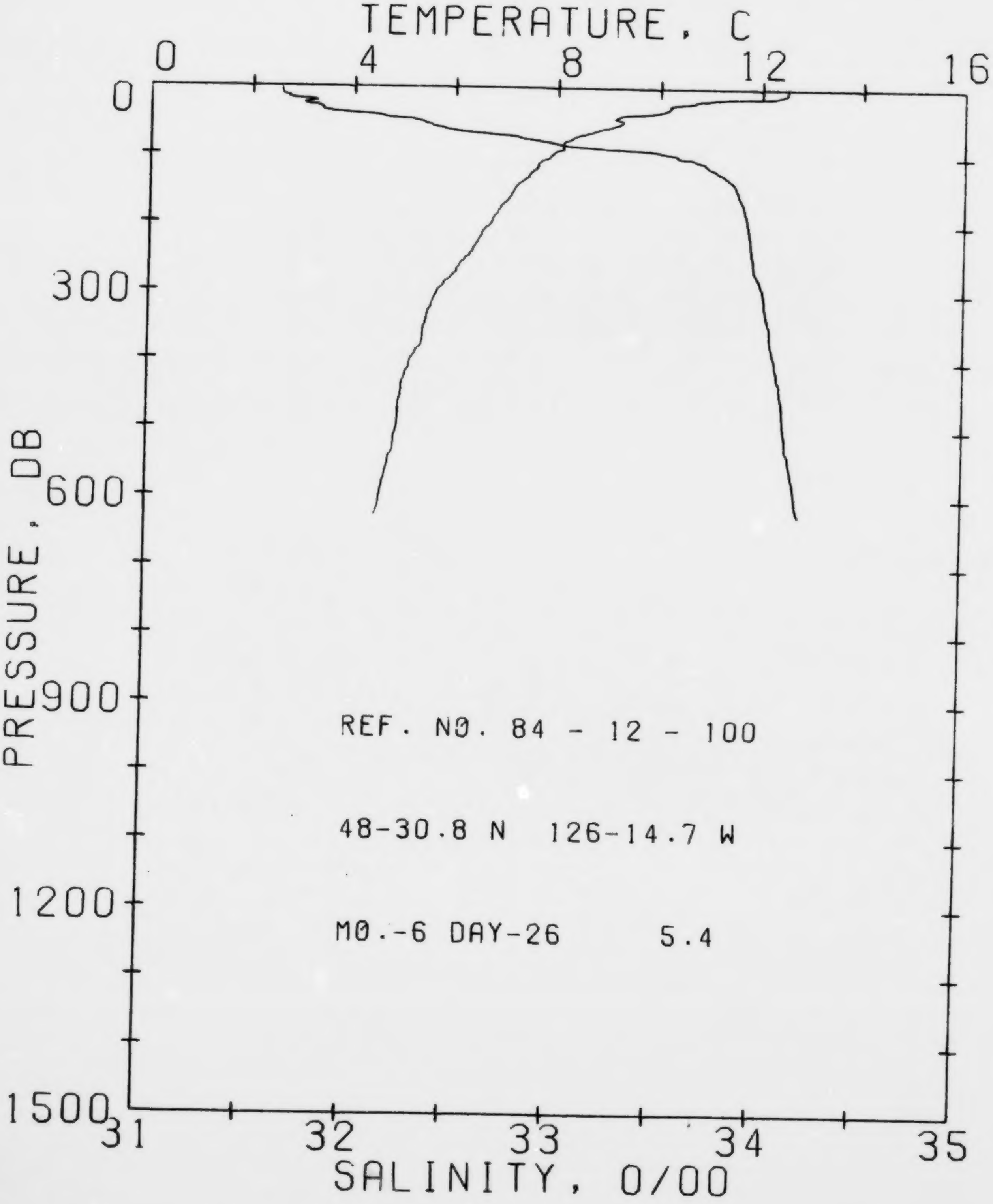
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 97          DATE 26/ 6/84
POSITION  48-43.4N, 125-57.5W   GMT  3.1       STATION D 5
RESULTS OF STP CAST     79 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    12.42   31.89        0    24.12  380.6      .00     .00  1495.
  10    11.34   31.96       10    24.38  356.2      .38     .02  1492.
  20     9.34   32.14       20    24.85  311.4      .71     .07  1485.
  30     9.01   32.29       30    25.02  295.5     1.01     .15  1484.
  50     8.31   32.81       50    25.53  247.1     1.55     .37  1482.
  75     7.44   33.57       75    26.26  178.2     2.07     .69  1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 98
48-39.3 N 126-3.2 W
MO.-6 DAY-26 3.8
31
32
33
34
35
SALINITY, 0/00

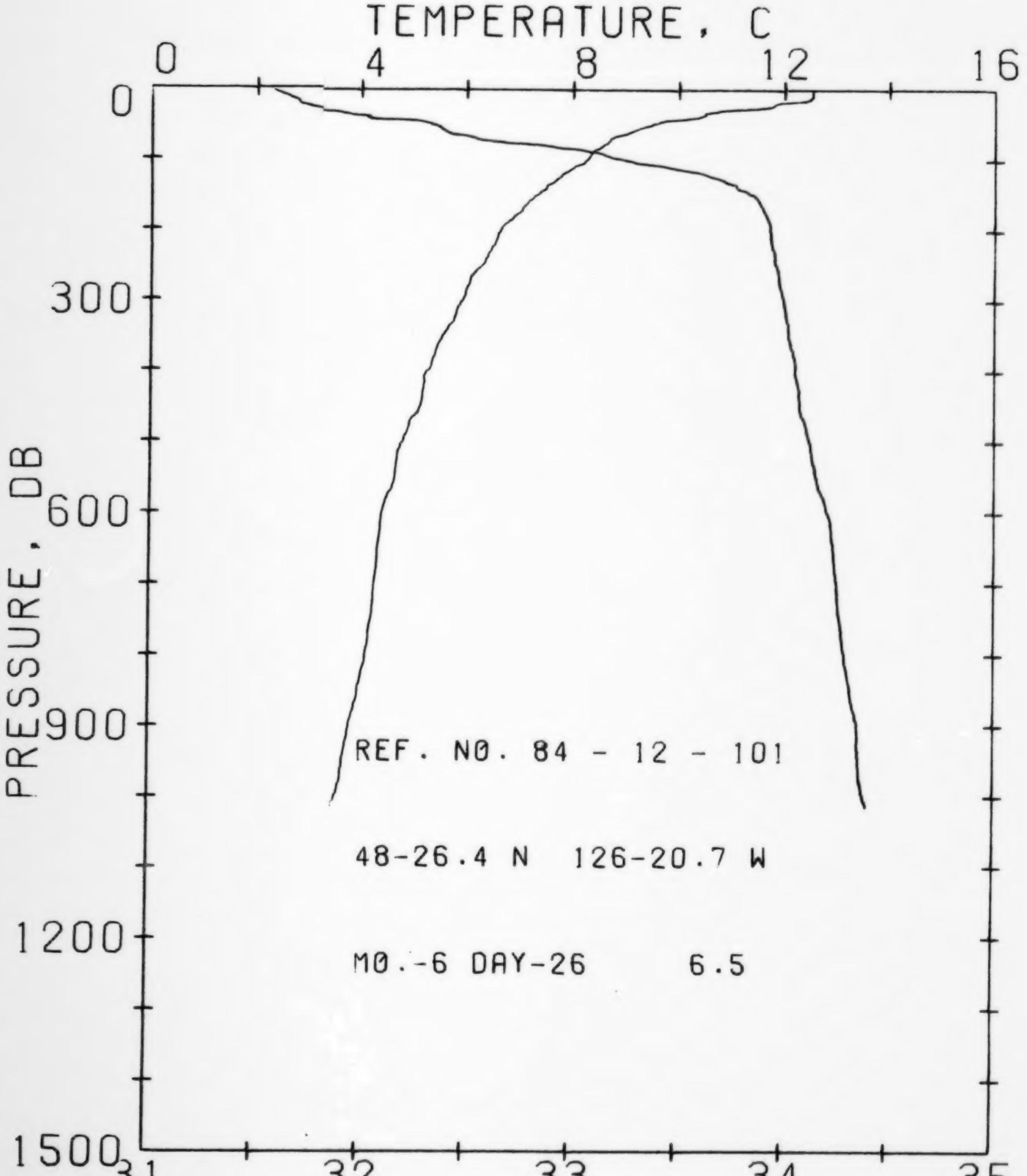
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 98        DATE 26/ 6/84
POSITION  48-39.3N, 126- 3.2W   GMT  3.8       STATION D 6
RESULTS OF STP CAST   119 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH     SIGMA    SVA     DELTA     POT.    SOUND
                                     T                D        EN
   0    11.62    31.72       0     24.14   378.8      .00       .00   1492.
  10    11.67    31.73      10     24.14   379.1      .38       .02   1492.
  20    10.09    31.93      20     24.57   338.3      .73       .07   1487.
  30     9.73    32.06      30     24.73   323.2     1.06       .16   1486.
  50     8.27    32.63      50     25.40   259.8     1.64       .39   1482.
  75     7.79    33.51      75     26.16   187.6     2.19       .74   1481.
 100     6.91    33.85      99     26.55   151.1     2.62      1.12   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 99
48-35.1 N 126-8.9 W
MO.-6 DAY-26 4.6

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12- 99          DATE 26/ 6/84
POSITION  48-35.1N, 126- 8.9W   GMT  4.6       STATION D 7
RESULTS OF STP CAST   182 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D        EN
    0   12.28   31.62       0    23.94   397.5     .00      .00    1494.
   10   12.24   31.63      10    23.96   396.3     .40      .02    1494.
   20   10.79   31.82      20    24.37   357.4     .77      .08    1490.
   30   10.32   32.02      30    24.60   335.7    1.12      .16    1488.
   50    8.85   32.40      50    25.13   284.8    1.74      .42    1484.
   75    7.89   33.18      75    25.88   214.1    2.36      .81    1481.
  100    7.60   33.66      99    26.31   174.2    2.84     1.23    1481.
  125    6.90   33.88     124    26.57   149.2    3.24     1.69    1479.
  150    6.56   33.94     149    26.66   140.7    3.60     2.20    1478.
  175    6.28   33.96     174    26.71   136.1    3.95     2.77    1478.
```

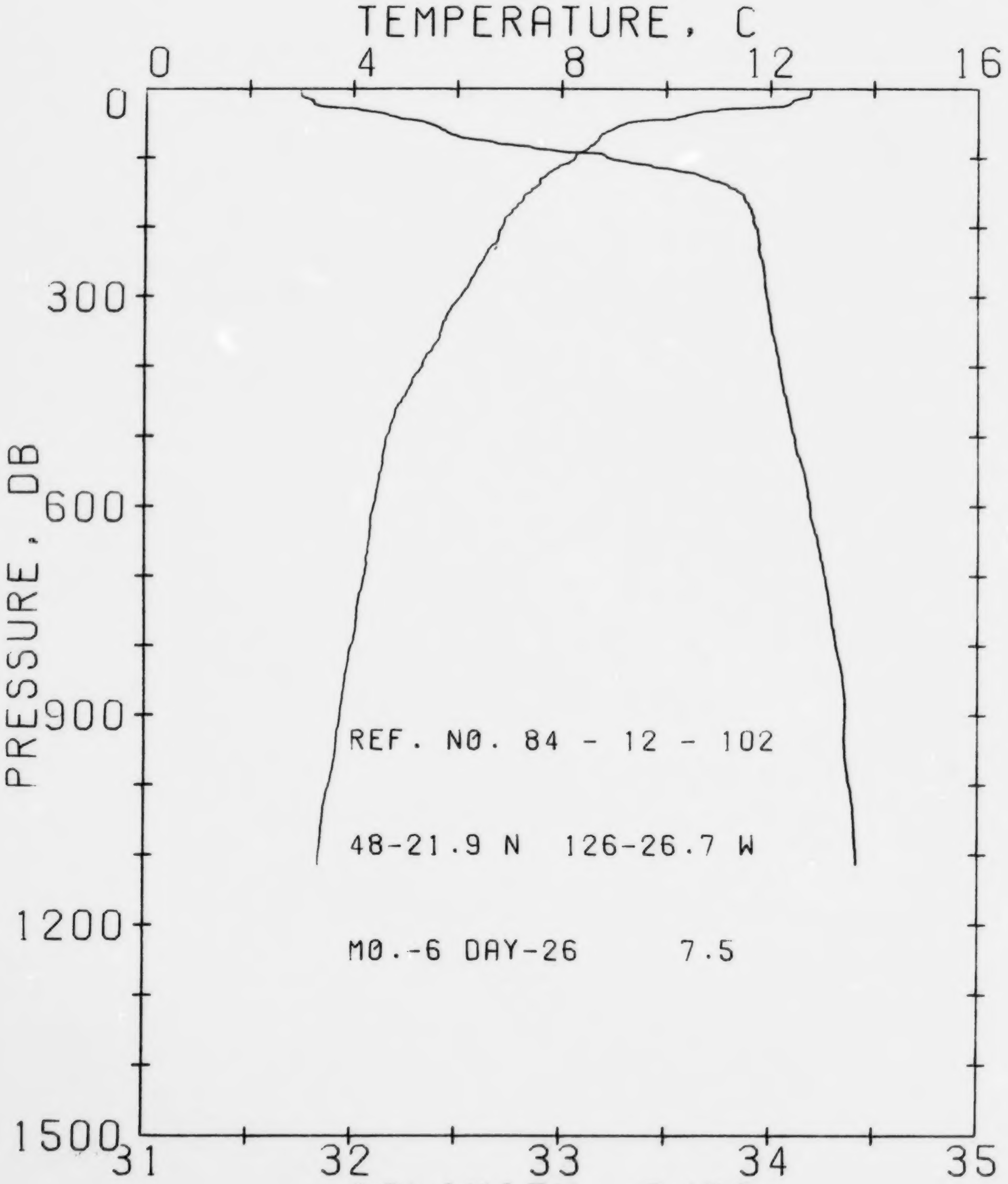

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 100
48-30.8 N 126-14.7 W
MO.-6 DAY-26 5.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFFRENCE NO. 84-12-100          DATE 26/ 6/84
POSITION  48-30.8N, 126-14.7W   GMT  5.4        STATION D 8
RESULTS OF STP CAST   626 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
    0   12.51   31.64       0    23.92   399.9     .00      .00   1495.
   10   12.36   31.65      10    23.95   397.1     .40      .02   1495.
   20   10.70   31.81      20    24.37   356.6     .78      .08   1489.
   30   10.16   31.84      30    24.48   346.4    1.13      .17   1487.
   50    9.27   32.33      50    25.01   296.5    1.77      .43   1485.
   75    8.28   32.84      75    25.56   244.5    2.46      .86   1482.
  100    7.88   33.59      99    26.21   183.5    2.99     1.33   1482.
  125    7.48   33.80     124    26.43   162.8    3.42     1.82   1482.
  150    7.17   33.88     149    26.54   153.1    3.81     2.37   1481.
  175    6.91   33.91     174    26.60   147.3    4.18     2.99   1481.
  200    6.71   33.93     199    26.64   143.6    4.55     3.68   1480.
  225    6.46   33.95     223    26.69   139.6    4.90     4.45   1480.
  250    6.21   33.96     248    26.73   135.8    5.24     5.28   1479.
  300    5.66   34.01     298    26.84   125.9    5.90     7.12   1479.
  400    5.16   34.07     397    26.94   116.4    7.11    11.45   1477.
  500    4.90   34.12     496    27.01   110.9    8.24    16.62   1477.
  600    4.59   34.18     595    27.10   103.5    9.31    22.63   1478.
```

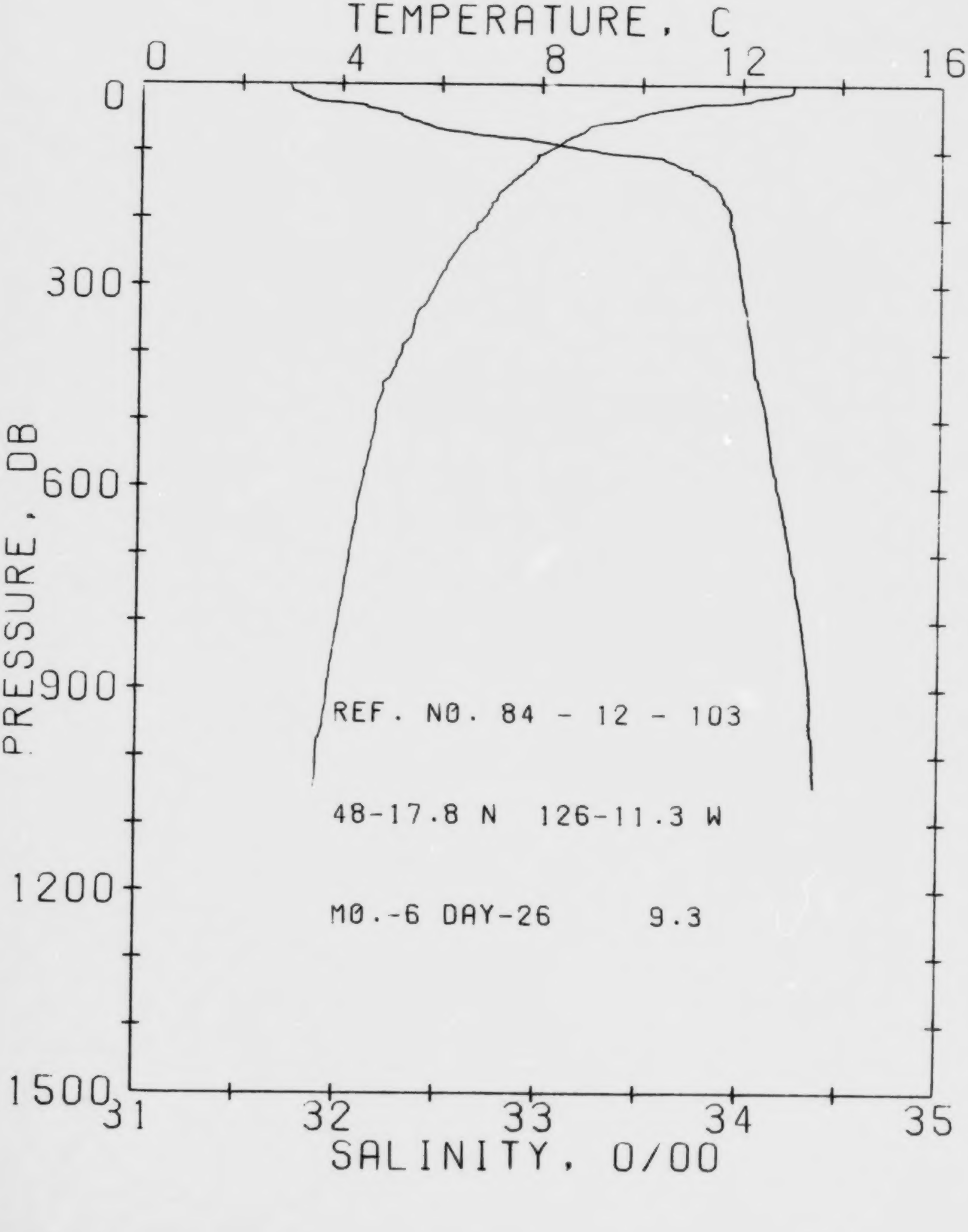

TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 84 - 12 - 101
48-26.4 N 126-20.7 W
MO.-6 DAY-26 6.5
31
32
33
34
35
SALINITY, 0/00

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-101 DATE 26/ 6/84
POSITION 48-26.4N, 126-20.7W GMT 6.5 STATION D 9
RESULTS OF STP CAST 1015 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

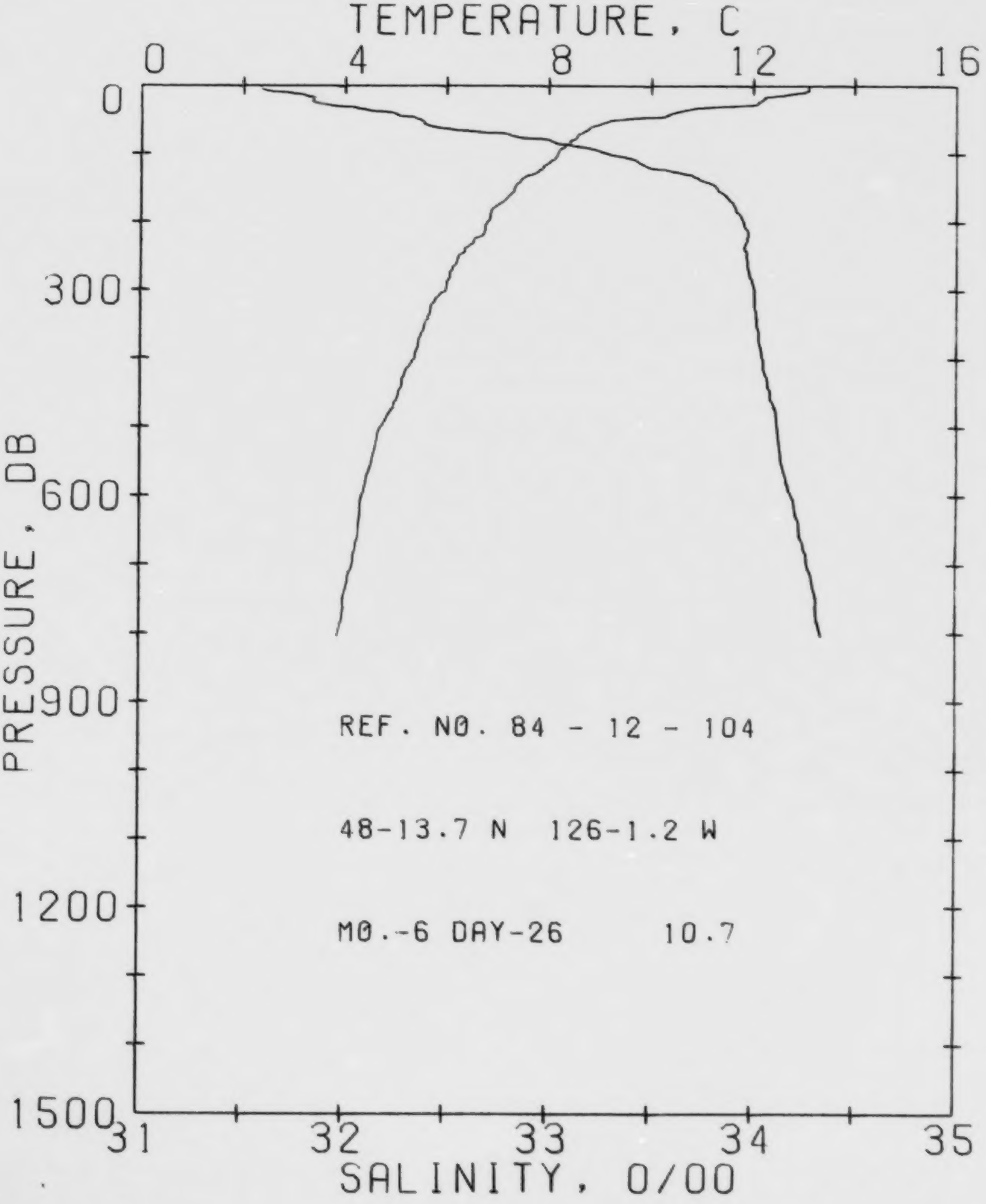
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.55	31.57	0	23.85	406.4	.00	.00	1495.
10	12.53	31.63	10	23.90	401.4	.40	.02	1495.
20	11.83	31.70	20	24.09	384.1	.80	.08	1493.
30	10.75	31.82	30	24.37	357.0	1.17	.18	1490.
50	9.43	32.35	50	25.01	297.1	1.82	.44	1486.
75	8.64	32.69	75	25.39	261.0	2.53	.88	1484.
100	8.24	33.28	99	25.91	212.0	3.10	1.40	1483.
125	7.72	33.69	124	26.31	174.0	3.58	1.94	1482.
150	7.29	33.86	149	26.50	155.9	3.99	2.52	1481.
175	6.98	33.91	174	26.59	148.6	4.37	3.15	1480.
200	6.64	33.93	199	26.65	142.7	4.73	3.84	1479.
225	6.48	33.94	224	26.68	140.2	5.09	4.61	1479.
250	6.28	33.96	248	26.72	136.4	5.43	5.44	1479.
300	5.90	34.00	298	26.80	129.7	6.10	7.30	1478.
400	5.24	34.05	397	26.92	118.9	7.34	11.73	1477.
500	4.80	34.12	496	27.03	109.4	8.49	16.99	1477.
600	4.41	34.21	595	27.14	99.2	9.54	22.87	1477.
800	4.11	34.29	793	27.23	91.7	11.45	36.47	1479.
1000	3.55	34.38	991	27.36	79.9	13.16	52.12	1480.


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. N0. 84 - 12 - 102
48-21.9 N 126-26.7 W
M0.-6 DAY-26 7.5
31
32
33
34
35
SALINITY, 0/00

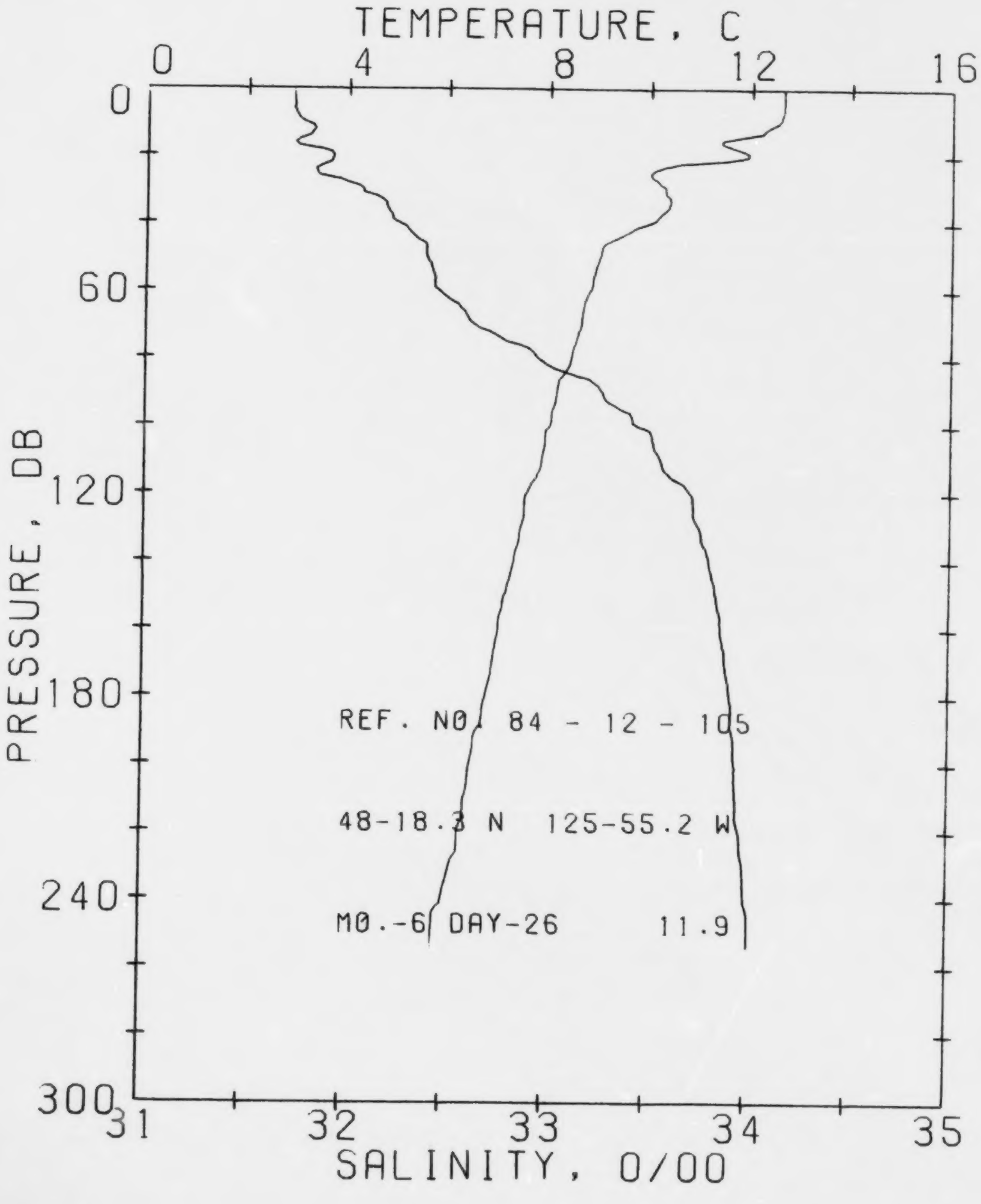
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-102          DATE 26/ 6/84
POSITION  48-21.9N, 126-26.7W   GMT  7.5        STATION D10
RESULTS OF STP CAST  1115 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D       EN
   0    12.79    31.75       0    23.94   397.5     .00      .00    1496.
  10    12.78    31.75      10    23.95   397.2     .40      .02    1496.
  20    12.42    31.81      20    24.06   386.3     .79      .08    1495.
  30    11.02    32.02      30    24.48   346.6    1.16      .17    1491.
  50     9.22    32.36      50    25.04   293.3    1.80      .43    1485.
  75     8.68    32.65      75    25.35   264.4    2.50      .88    1484.
 100     8.26    33.23      99    25.87   215.5    3.10     1.41    1483.
 125     7.72    33.66     124    26.29   176.2    3.58     1.96    1482.
 150     7.36    33.86     149    26.49   157.2    4.00     2.54    1481.
 175     7.06    33.91     174    26.57   149.7    4.38     3.18    1481.
 200     6.87    33.93     199    26.62   146.1    4.75     3.88    1480.
 225     6.68    33.95     224    26.65   142.6    5.11     4.66    1480.
 250     6.47    33.97     248    26.70   138.8    5.46     5.51    1480.
 300     6.07    33.98     298    26.76   132.9    6.14     7.42    1479.
 400     5.33    34.05     397    26.90   120.3    7.40    11.91    1478.
 500     4.64    34.12     496    27.04   107.9    8.54    17.12    1477.
 600     4.39    34.19     595    27.13   100.4    9.58    22.95    1477.
 800     3.97    34.32     793    27.27    88.0   11.46    36.34    1479.
1000     3.55    34.39     991    27.37    79.6   13.13    51.65    1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 84 - 12 - 103
48-17.8 N 126-11.3 W
MO.-6 DAY-26 9.3
31
32
33
34
35
SALINITY, 0/00

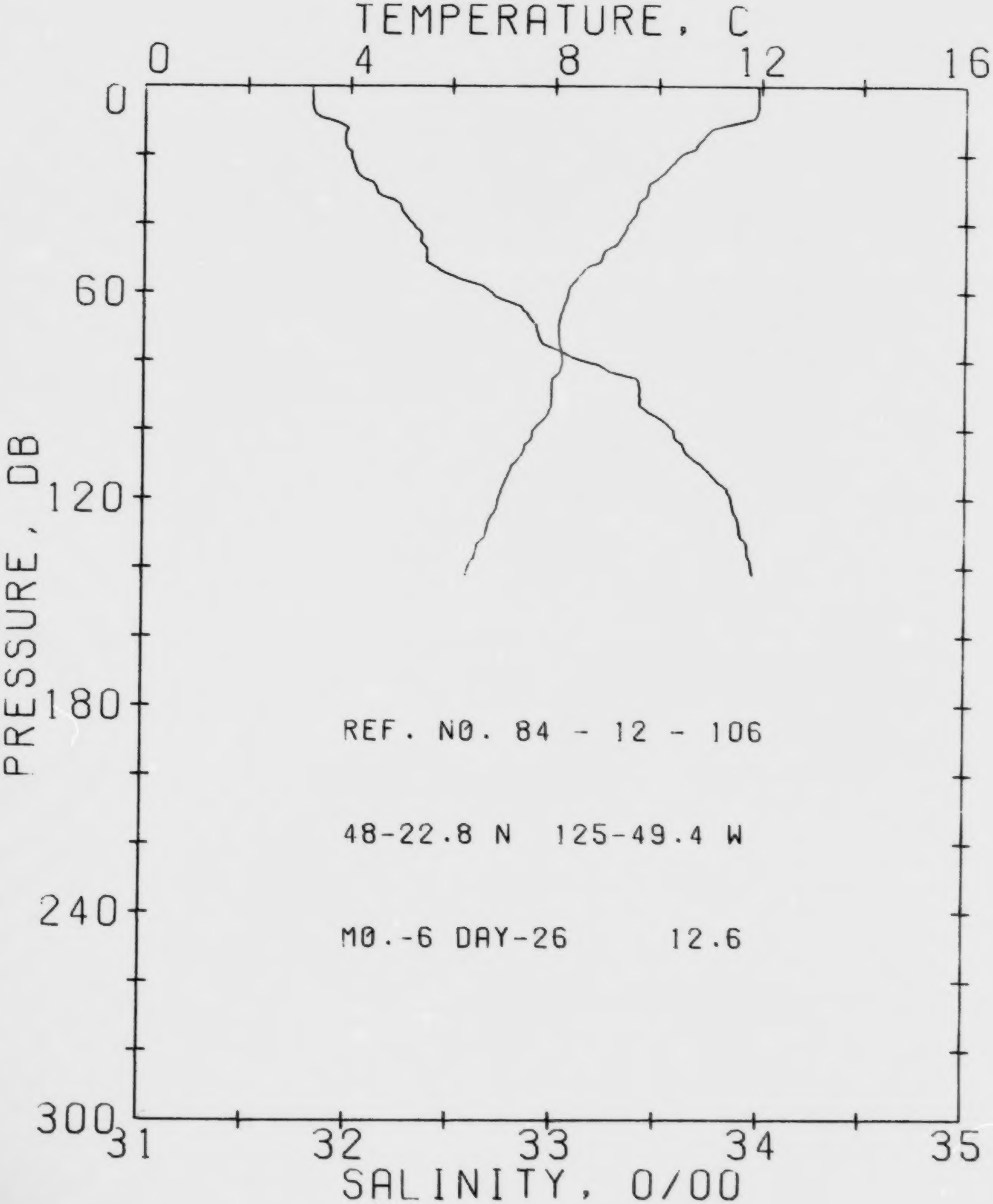
```
OFFSHORE OCEANOGRAPHY GROUP
REFFRENCE NO. 84-12-103          DATE 26/ 6/84
POSITION  48-17.8N, 126-11.3W    GMT  9.3       STATION D10A
RESULTS OF STP CAST  1046 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D      EN
    0   13.02   31.74       0    23.89   402.4     .00     .00   1497.
   10   13.00   31.75      10    23.90   401.5     .40     .02   1497.
   20   12.27   31.83      20    24.10   382.4     .80     .08   1495.
   30   11.04   32.05      30    24.50   345.2    1.17     .17   1491.
   50    9.88   32.31      50    24.90   307.6    1.81     .44   1487.
   75    8.71   32.66      75    25.36   264.1    2.52     .89   1484.
  100    8.11   33.29      99    25.94   209.1    3.10    1.40   1483.
  125    7.75   33.71     124    26.32   173.1    3.57    1.93   1482.
  150    7.34   33.86     149    26.49   157.1    3.98    2.51   1481.
  175    7.03   33.91     174    26.58   149.5    4.36    3.14   1481.
  200    6.83   33.95     199    26.63   144.4    4.73    3.84   1480.
  225    6.55   33.96     224    26.68   140.1    5.08    4.61   1480.
  250    6.29   33.98     248    26.73   135.3    5.43    5.45   1479.
  300    5.91   34.00     298    26.80   129.5    6.09    7.30   1478.
  400    5.24   34.06     397    26.93   118.2    7.32   11.70   1477.
  500    4.74   34.13     496    27.04   108.2    8.45   16.86   1477.
  600    4.46   34.18     595    27.11   101.9    9.50   22.75   1477.
  800    4.01   34.32     793    27.26    88.7   11.40   36.26   1479.
 1000    3.59   34.38     991    27.35    81.0   13.09   51.75   1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 84 - 12 - 104
48-13.7 N 126-1.2 W
MO.-6 DAY-26 10.7
31
32
33
34
35
SALINITY, 0/00

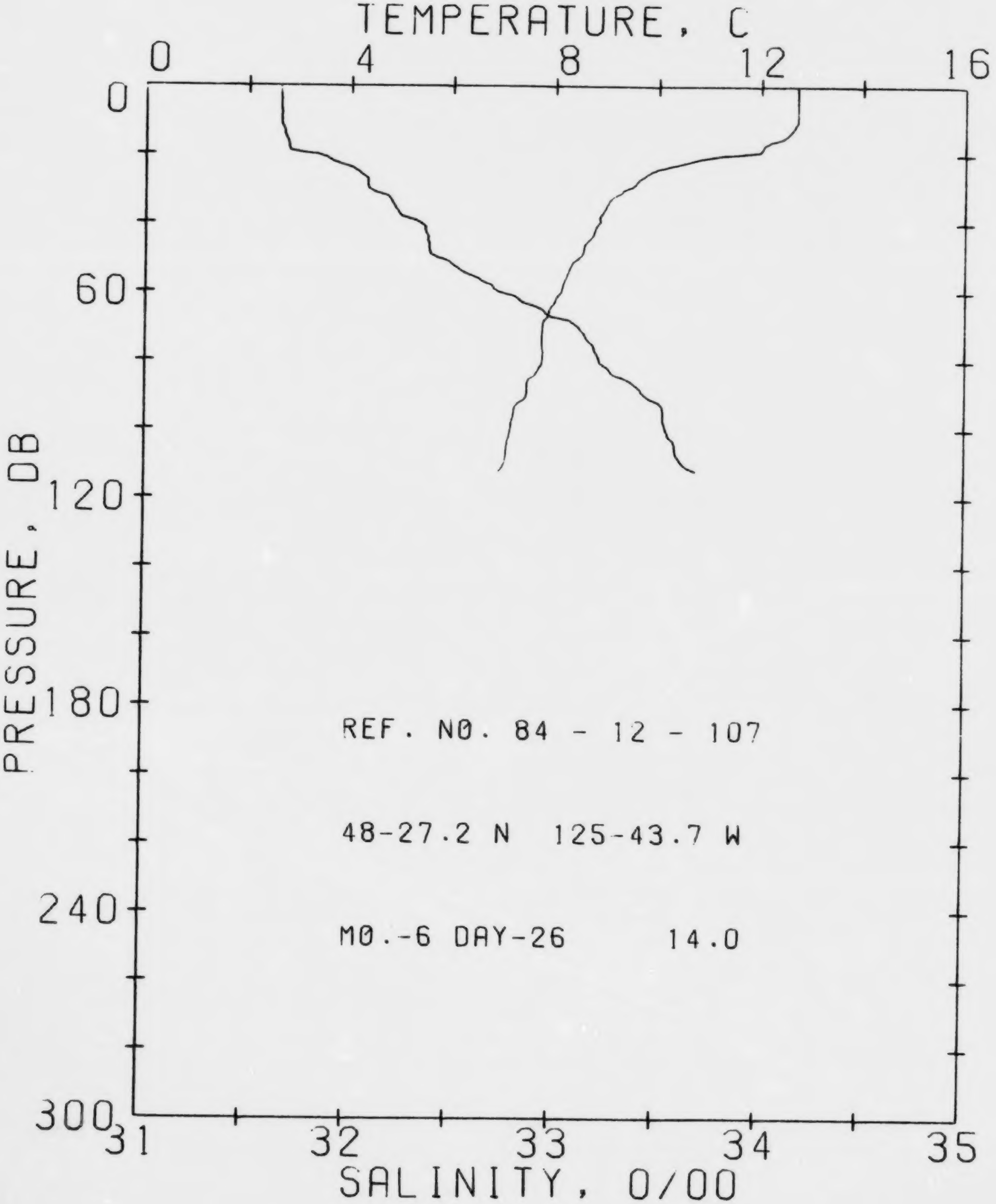
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-104          DATE 26/ 6/84
POSITION  48-13.7N, 126- 1.2W   GMT 10.7        STATION C 9
RESULTS OF STP CAST   804 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
    0   13.11   31.59       0   23.76   415.1     .00     .00   1497.
   10   12.91   31.70      10   23.88   403.5     .41     .02   1497.
   20   12.20   31.85      20   24.13   380.0     .80     .08   1495.
   30   11.33   31.94      30   24.36   357.9    1.18     .18   1492.
   50    9.23   32.37      50   25.05   292.6    1.82     .44   1485.
   75    8.55   32.84      75   25.52   248.1    2.51     .87   1483.
  100    8.19   33.30      99   25.94   209.3    3.07    1.37   1483.
  125    7.81   33.61     124   26.23   181.7    3.56    1.93   1482.
  150    7.34   33.83     149   26.47   159.2    3.98    2.52   1481.
  175    7.00   33.91     174   26.58   148.8    4.36    3.16   1480.
  200    6.80   33.96     199   26.65   143.1    4.73    3.85   1480.
  225    6.55   33.97     224   26.69   139.1    5.08    4.62   1480.
  250    6.24   33.97     248   26.73   135.6    5.43    5.45   1479.
  300    6.00   34.01     298   26.79   130.1    6.09    7.31   1479.
  400    5.38   34.05     397   26.90   120.4    7.34   11.76   1478.
  500    4.71   34.12     496   27.03   108.5    8.49   17.01   1477.
  600    4.35   34.20     595   27.13    99.8    9.53   22.88   1477.
  800    3.89   34.34     793   27.29    85.8   11.39   36.06   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 105
48-18.3 N 125-55.2 W
MO.-6 DAY-26 11.9
31
32
33
34
35
SALINITY, 0/00

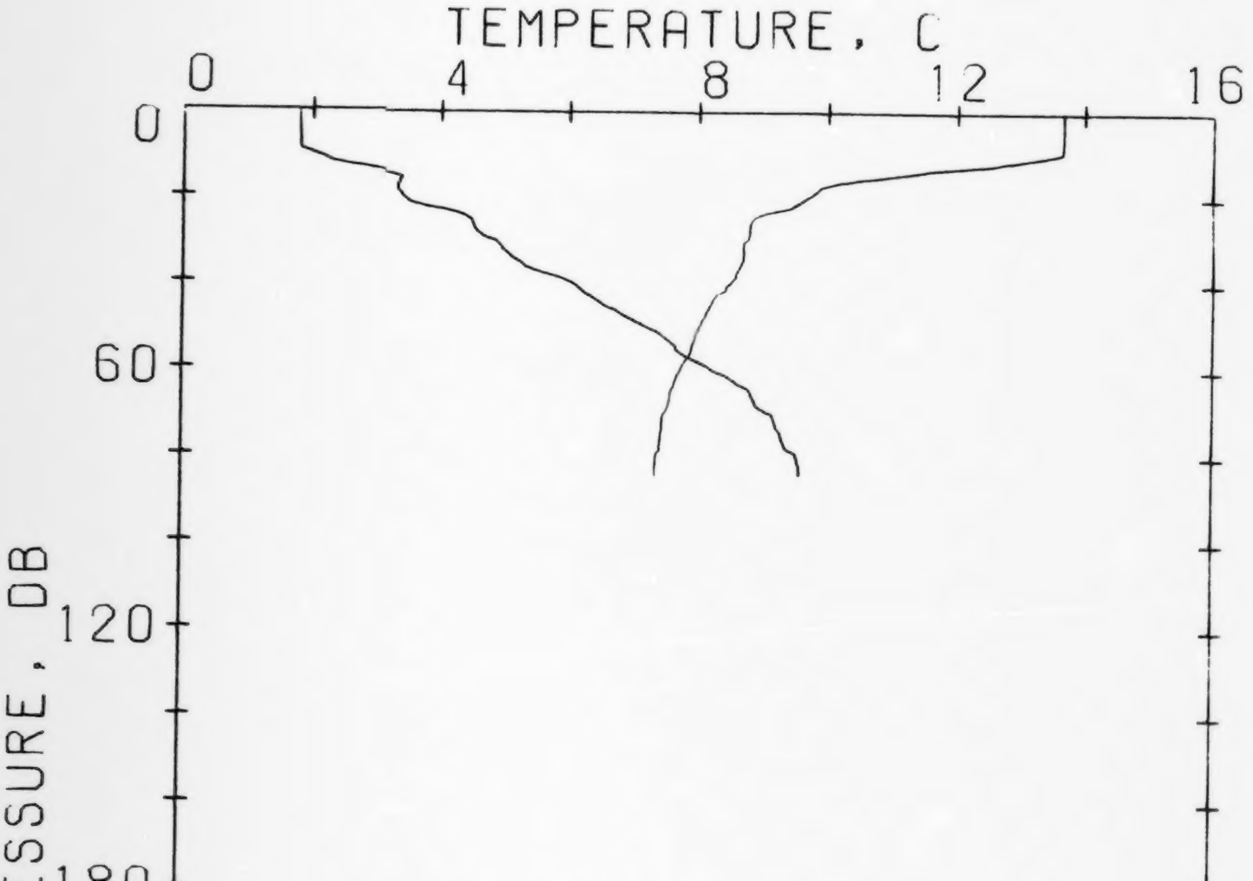
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-105        DATE 26/ 6/84
POSITION  48-18.3N, 125-55.2W   GMT 11.9      STATION C 8
RESULTS OF STP CAST   255 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                D        EN
    0   12.64    31.73        0    23.96   396.0      .00      .00   1496.
   10   12.53    31.78       10    24.02   390.5      .40      .02   1495.
   20   11.93    31.93       20    24.25   369.0      .77      .08   1494.
   30   10.28    32.08       30    24.65   330.5     1.12      .16   1488.
   50    9.01    32.40       50    25.11   287.5     1.73      .42   1484.
   75    8.56    32.80       75    25.49   251.2     2.42      .85   1483.
  100    8.04    33.45       99    26.07   196.3     2.97     1.34   1483.
  125    7.56    33.72      124    26.36   169.5     3.42     1.85   1482.
  150    7.17    33.84      149    26.51   155.8     3.83     2.42   1481.
  175    6.90    33.90      174    26.59   148.1     4.21     3.05   1480.
  200    6.53    33.94      199    26.67   140.8     4.57     3.74   1479.
  225    6.30    33.97      223    26.73   135.7     4.91     4.49   1479.
  250    5.81    34.01      248    26.82   126.9     5.24     5.28   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 106
48-22.8 N 125-49.4 W
MO.-6 DAY-26 12.6

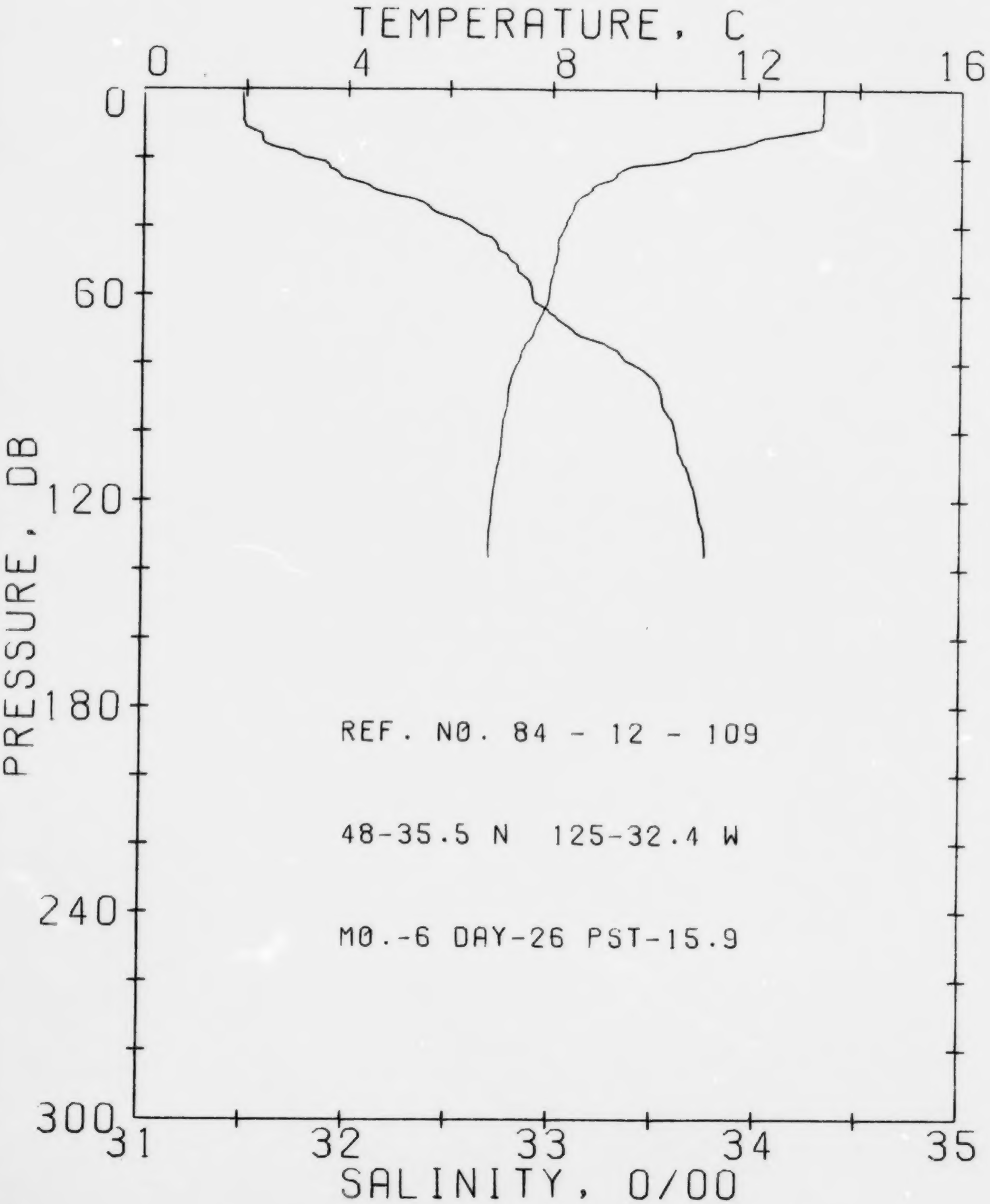
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-106         DATE 26/ 6/84
POSITION  48-22.8N, 125-49.4W   GMT 12.6       STATION C 7
RESULTS OF STP CAST   143 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                    T                D        EN
    0   11.94   31.82       0    24.15   377.2      .00      .00   1493.
   10   11.64   31.92      10    24.29   364.4      .38      .02   1492.
   20   10.42   32.01      20    24.57   337.8      .72      .07   1488.
   30    9.80   32.13      30    24.77   318.8     1.05      .16   1486.
   50    8.92   32.38      50    25.10   287.8     1.65      .40   1484.
   75    8.09   32.95      75    25.67   233.7     2.29      .80   1482.
  100    7.59   33.58      99    26.24   180.1     2.80     1.25   1481.
  125    6.79   33.89     124    26.59   147.1     3.20     1.72   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 107
48-27.2 N 125-43.7 W
M0.-6 DAY-26 14.0

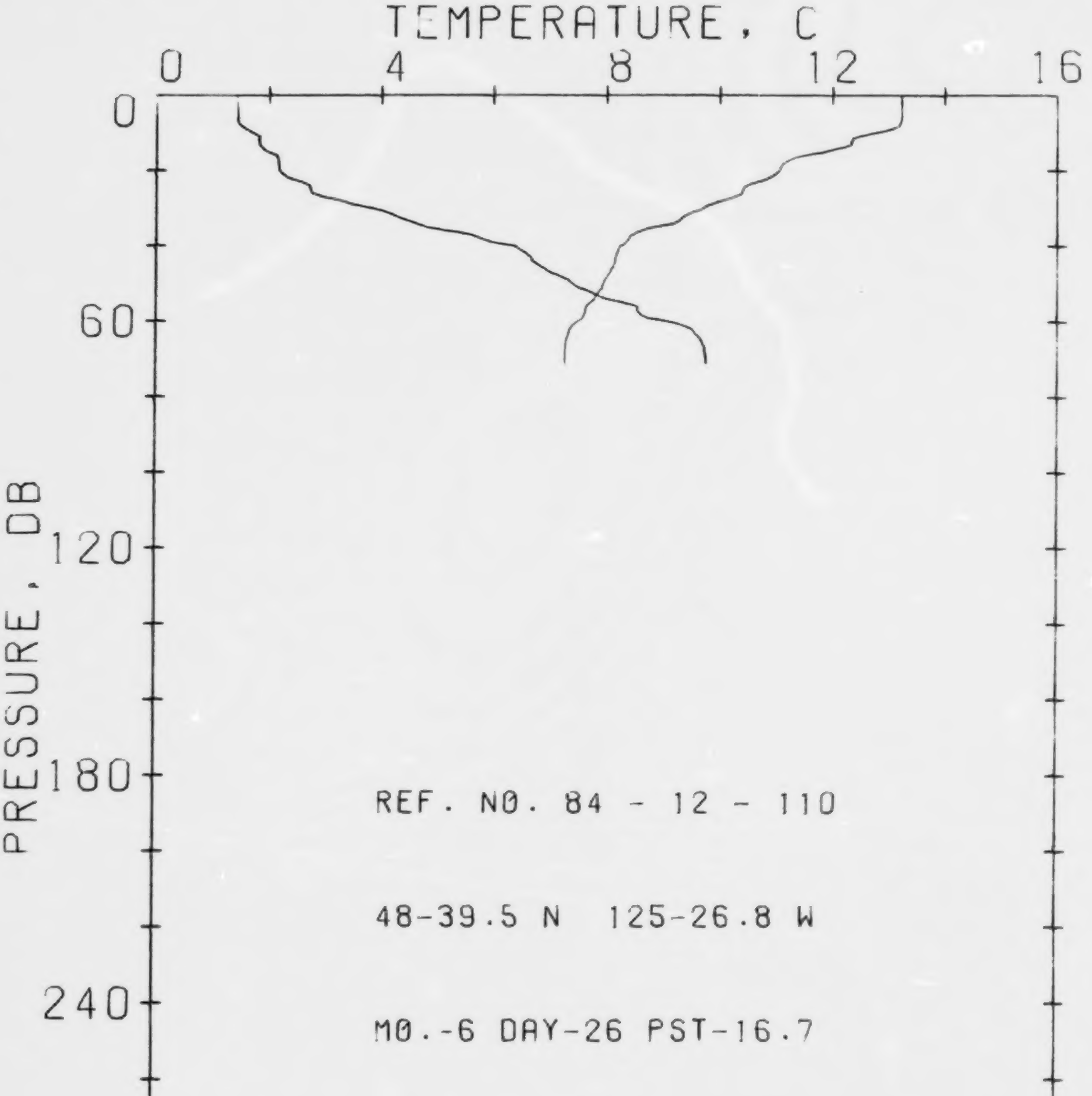
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-107          DATE 26/ 6/84
POSITION  48-27.2N, 125-43.7W    GMT 14.0       STATION C 6
RESULTS OF STP CAST    113 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    12.71    31.66       0    23.89   402.7     .00      .00  1496.
  10    12.72    31.66      10    23.89   402.8     .40      .02  1496.
  20    11.26    31.84      20    24.30   364.1     .80      .08  1491.
  30     9.34    32.09      30    24.81   315.0    1.13      .16  1485.
  50     8.46    32.43      50    25.21   277.2    1.71      .40  1482.
  75     7.74    33.19      75    25.91   211.3    2.31      .78  1481.
 100     7.15    33.54      99    26.27   177.1    2.80     1.21  1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 108
48-31.4 N 125-38.0 W
MO.-6 DAY-26 15.1

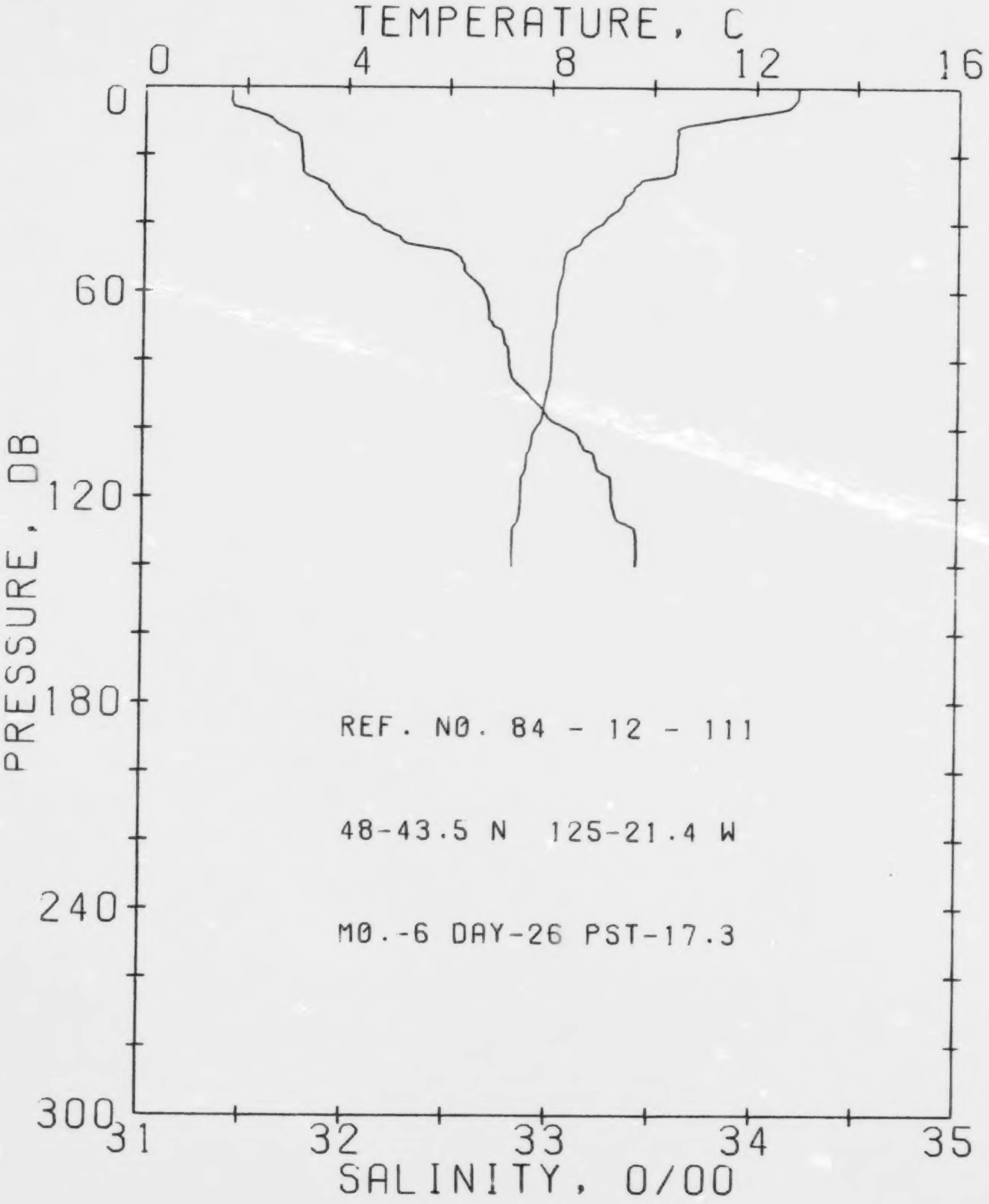
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-108        DATE 26/ 6/84
POSITION  48-31.4N, 125-38.0W   GMT 15.1      STATION C 5
RESULTS OF STP CAST    85 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                   T                D        EN
   0    13.67   31.45       0    23.54   435.9      .00      .00   1499.
  10    13.39   31.50      10    23.64   427.0      .44      .02   1498.
  20     9.65   31.86      20    24.59   336.3      .80      .08   1485.
  30     8.72   32.22      30    25.01   295.9     1.11      .16   1483.
  50     8.02   32.81      50    25.58   242.5     1.66      .38   1481.
  75     7.44   33.33      75    26.06   196.8     2.20      .72   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 109
48-35.5 N 125-32.4 W
M0.-6 DAY-26 PST-15.9

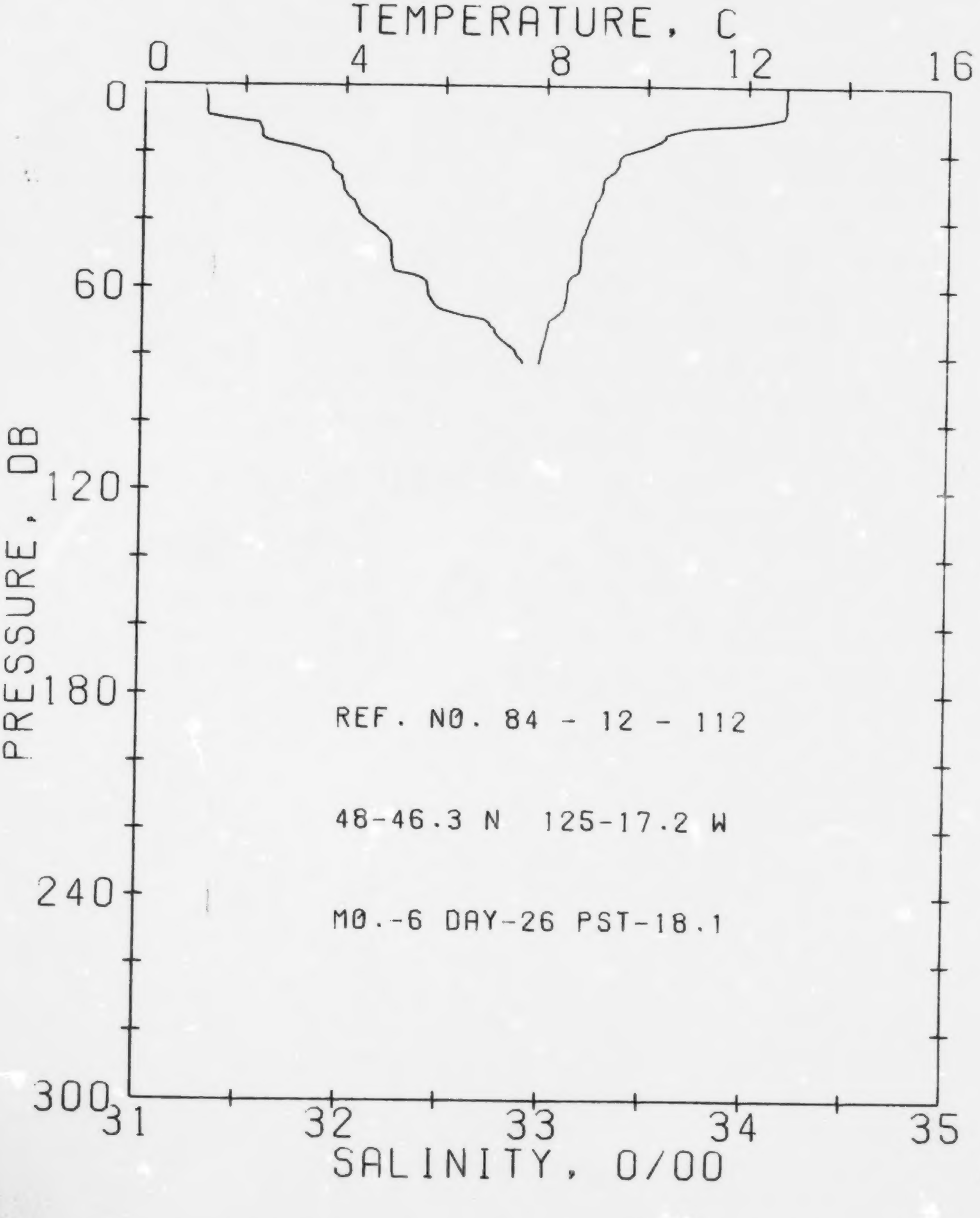
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-109        DATE 26/ 6/84
POSITION   48-35.5N, 125-32.4W   GMT 15.9       STATION C 4
RESULTS OF STP CAST    137 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    13.30    31.48      0    23.64   426.4     .00      .00   1497.
  10    13.28    31.50     10    23.65   425.3     .43      .02   1498.
  20    10.53    31.79     20    24.39   355.3     .82      .08   1489.
  30     8.71    32.18     30    24.98   299.2    1.14      .16   1482.
  50     8.09    32.80     50    25.56   244.1    1.67      .38   1481.
  75     7.48    33.28     75    26.02   200.5    2.24      .74   1480.
 100     7.05    33.61     99    26.34   171.0    2.69     1.14   1479.
 125     6.83    33.72    124    26.46   159.8    3.10     1.61   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 110
48-39.5 N 125-26.8 W
MO.-6 DAY-26 PST-16.7
31
32
33
34
35
SALINITY, 0/00

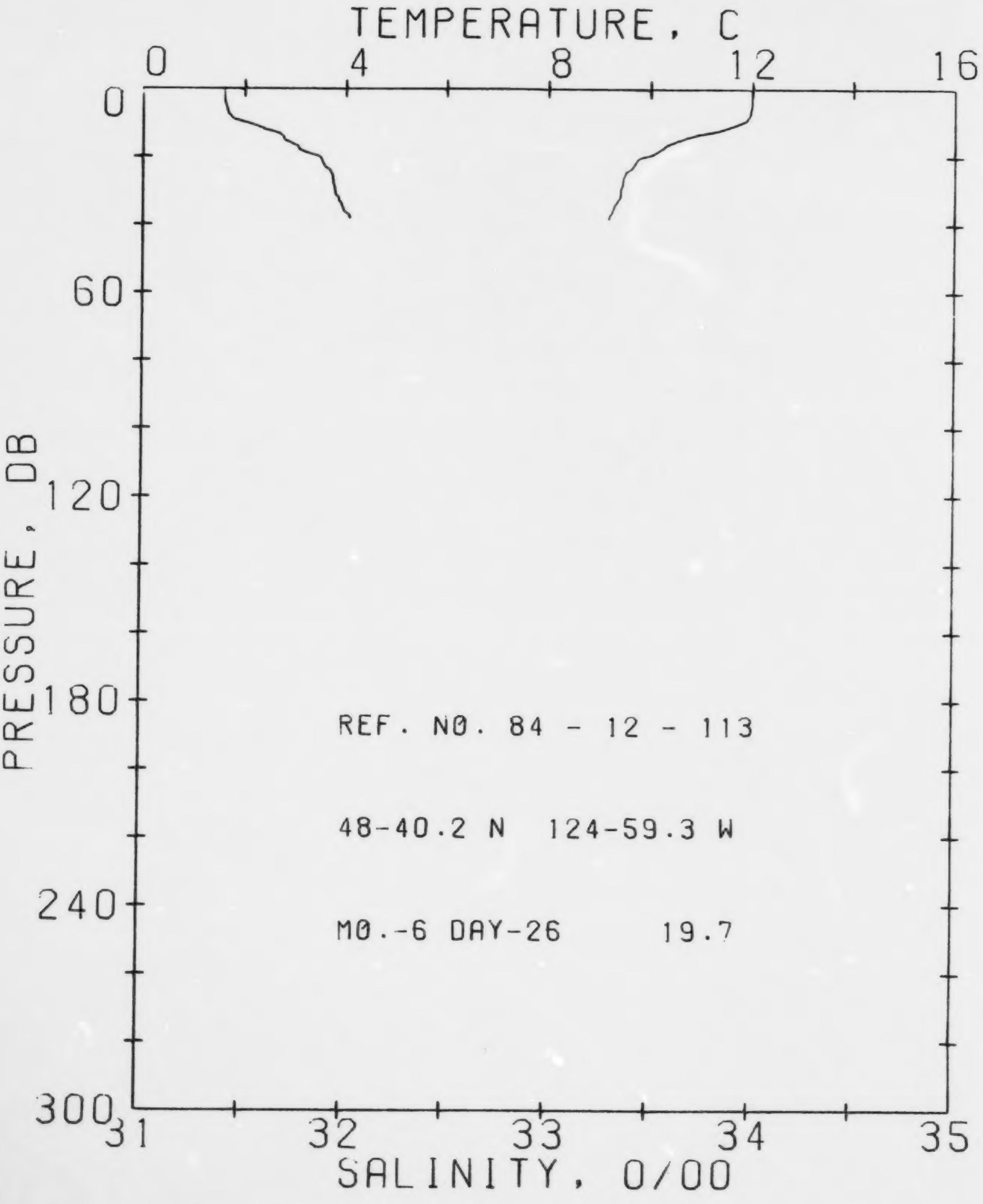
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-110        DATE 26/ 6/84
POSITION  48-39.5N, 125-26.8W   GMT 16.7      STATION C 3
RESULTS OF STP CAST    72 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   13.24   31.36        0    23.56  434.3      .00      .00  1497.
   10   12.68   31.43       10    23.72  418.9      .43      .02  1495.
   20   11.05   31.55       20    24.11  382.1      .83      .08  1490.
   30    9.70   31.96       30    24.66  330.0     1.19      .17  1486.
   50    7.95   32.85       50    25.62  238.4     1.74      .39  1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
SALINITY, 0/00
31
32
33
34
35
REF. NO. 84 - 12 - 111
48-43.5 N 125-21.4 W
MO.-6 DAY-26 PST-17.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-111          DATE 26/ 6/84
POSITION  48-43.5N, 125-21.4W   GMT 17.3       STATION C 2
RESULTS OF STP CAST   141 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                      T                 D        EN
    0    12.83    31.43       0     23.69   421.9      .00      .00   1496.
   10    11.11    31.64      10     24.17   376.4      .41      .02   1490.
   20    10.44    31.77      20     24.39   355.4      .77      .08   1488.
   30     9.62    31.91      30     24.63   332.7     1.12      .16   1486.
   50     8.26    32.56      50     25.34   264.8     1.73      .41   1482.
   75     8.04    32.77      75     25.54   246.1     2.36      .81   1481.
  100     7.71    33.09      99     25.84   218.0     2.96     1.34   1481.
  125     7.40    33.32     124     26.06   197.4     3.47     1.93   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 112
48-46.3 N 125-17.2 W
MO.-6 DAY-26 PST-18.1

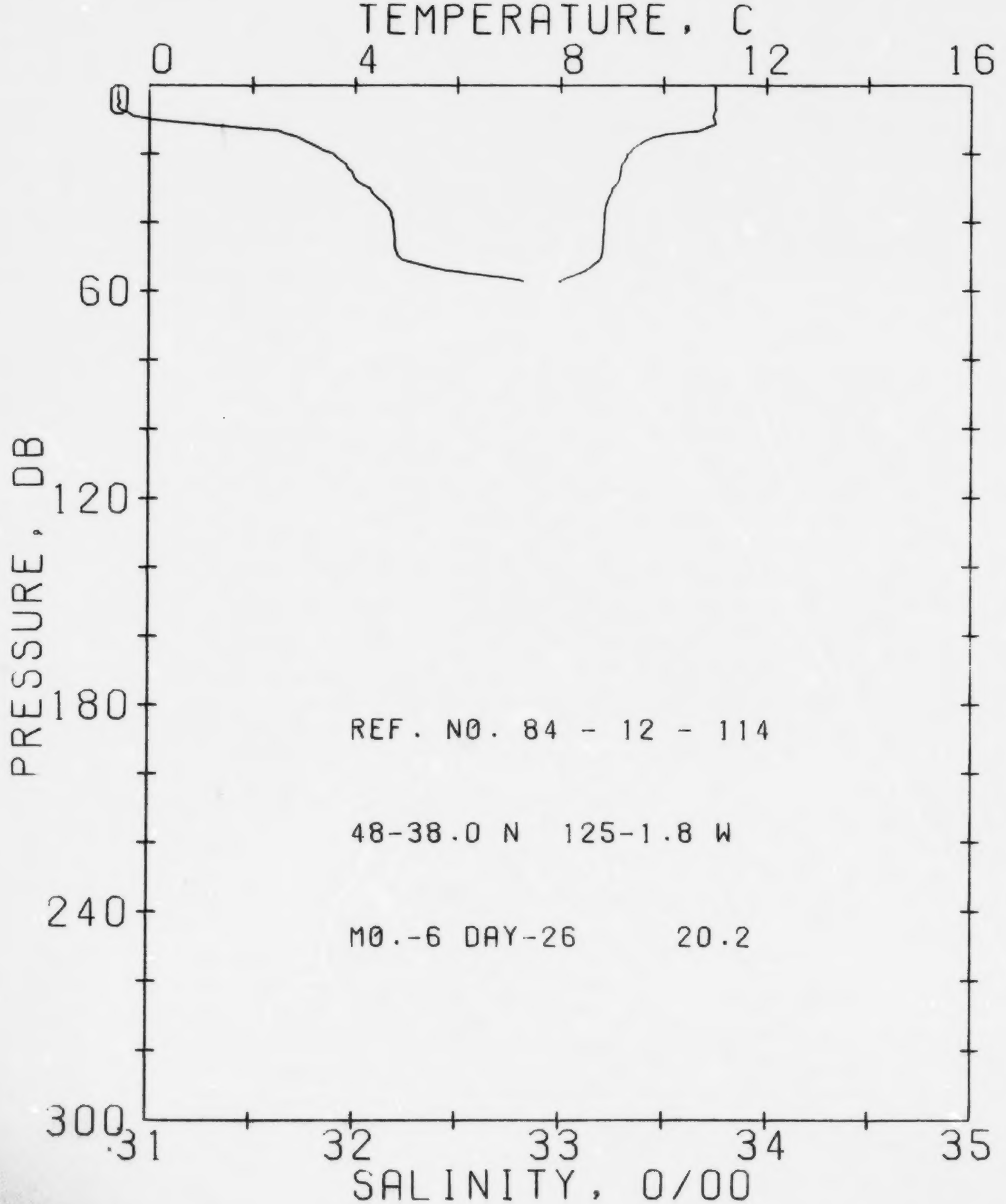
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-112          DATE 26/ 6/84
POSITION  48-46.3N, 125-17.2W   GMT 18.1       STATION C 1
RESULTS OF STP CAST    83 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.77   31.30       0    23.60   429.6     .00      .00   1495.
   10   12.38   31.42      10    23.77   414.1     .43      .02   1494.
   20    9.53   31.89      20    24.63   332.3     .80      .08   1485.
   30    9.13   31.99      30    24.77   318.9    1.12      .16   1484.
   50    8.69   32.24      50    25.03   294.9    1.73      .41   1483.
   75    7.99   32.78      75    25.56   244.7    2.41      .84   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 113
48-40.2 N 124-59.3 W
MO.-6 DAY-26 19.7

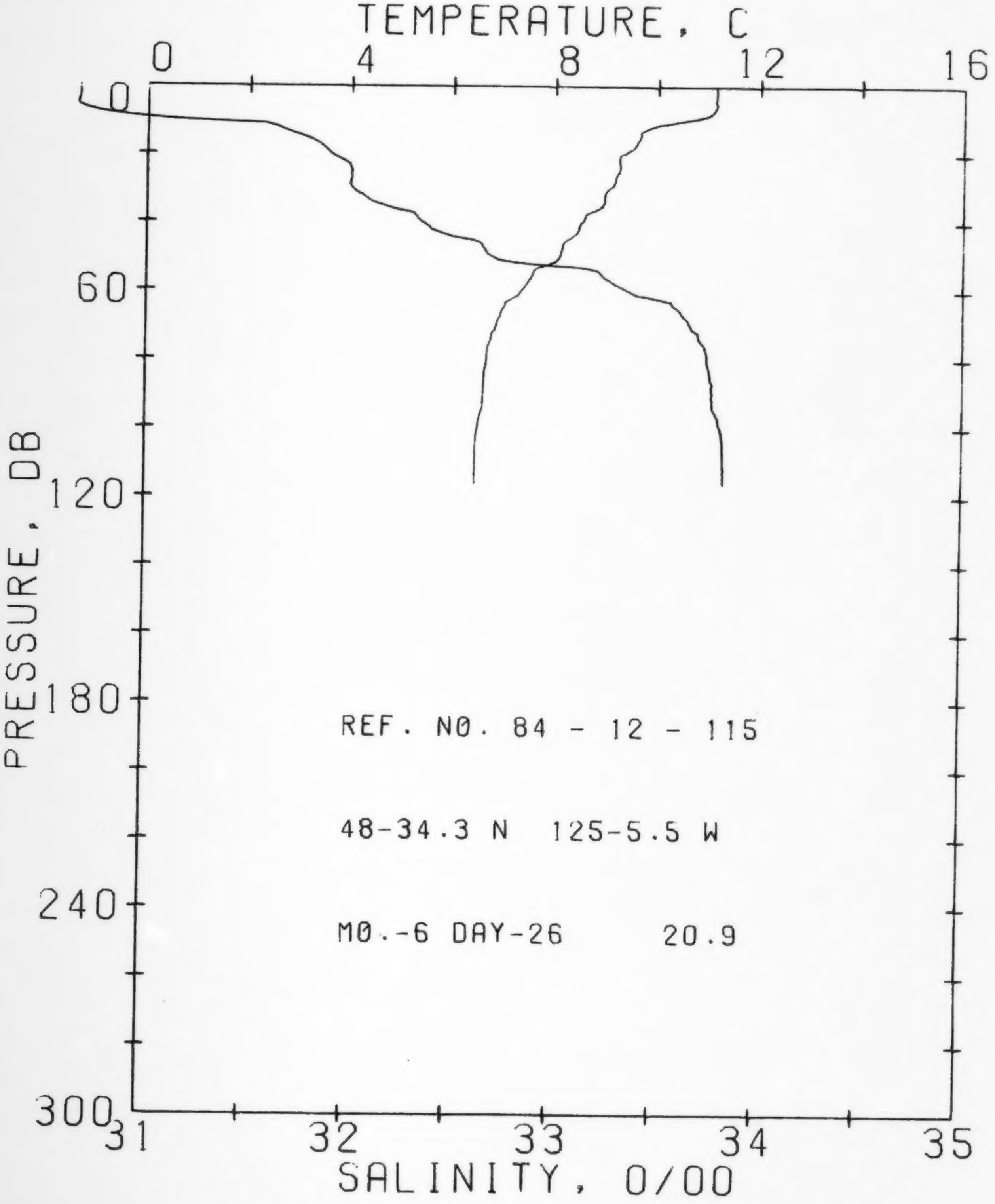
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-113 DATE 26/ 6/84
POSITION 48-40.2N, 124-59.3W GMT 19.7 STATION B 1
RESULTS OF STP CAST 39 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.00	31.40	0	23.82	408.8	.00	.00	1493.
10	11.74	31.51	10	23.95	396.5	.41	.02	1492.
20	9.78	31.88	20	24.58	337.4	.77	.08	1486.
30	9.42	31.95	30	24.69	326.6	1.10	.16	1485.

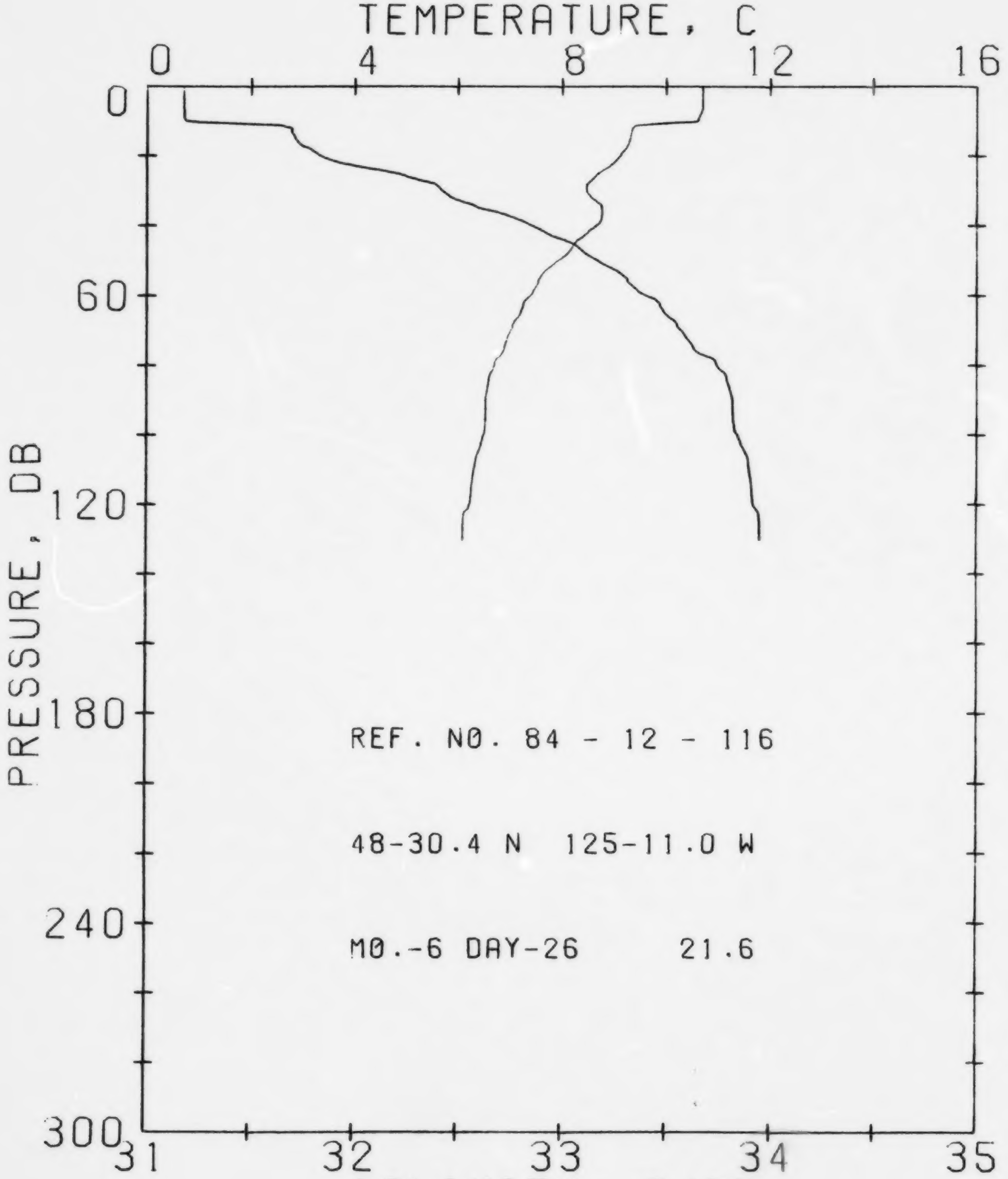
PRES	DEPTH	TEMP	SAL	PRES	DEPTH	TEMP	SAL
0.		12.00	31.40	20.		9.78	31.88
1.		12.00	31.40	21.		9.73	31.88
2.		12.00	31.40	22.		9.69	31.89
3.		12.00	31.40	23.		9.65	31.90
4.		12.00	31.40	24.		9.53	31.93
5.		11.99	31.41	25.		9.50	31.93
6.		11.98	31.41	26.		9.47	31.94
7.		11.97	31.42	27.		9.46	31.94
8.		11.93	31.43	28.		9.46	31.94
9.		11.89	31.45	29.		9.43	31.95
10.		11.74	31.51	30.		9.42	31.95
11.		11.54	31.57	31.		9.43	31.95
12.		11.34	31.61	32.		9.39	31.97
13.		10.95	31.67	33.		9.35	31.97
14.		10.72	31.69	34.		9.30	31.98
15.		10.52	31.70	35.		9.27	31.99
16.		10.35	31.73	36.		9.25	31.99
17.		10.26	31.77	37.		9.20	32.02
18.		10.16	31.77	38.		9.19	32.02
19.		10.05	31.82				


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 114
48-38.0 N 125-1.8 W
MO.-6 DAY-26 20.2

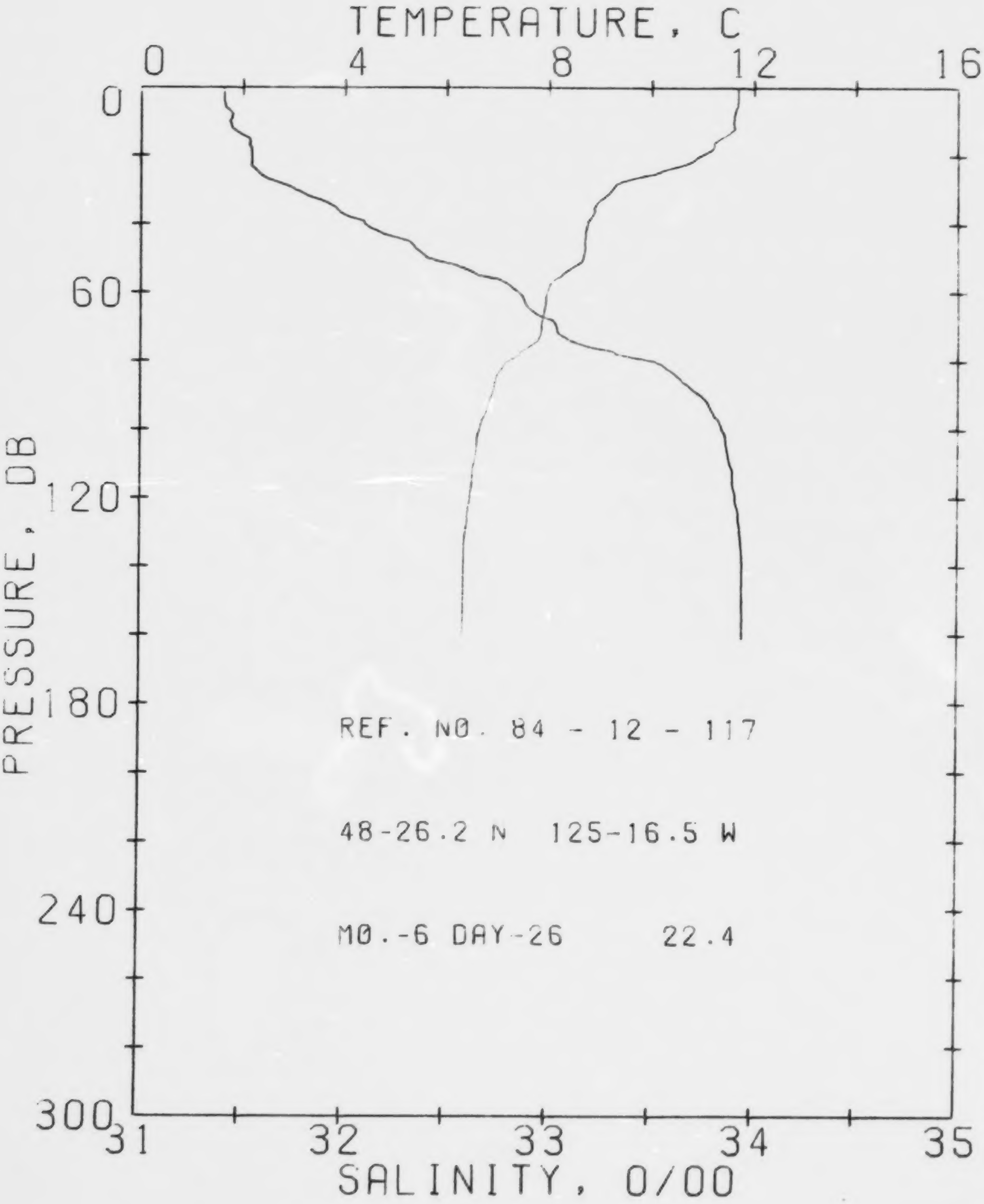
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-114        DATE 26/ 6/84
POSITION  48-38.0N, 125- 1.8W   GMT 20.2      STATION B 2
RESULTS OF STP CAST    58 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARF INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                     T                D       EN
    0   11.01    30.85        0    23.57  432.7      .00      .00   1489.
   10   10.99    31.02       10    23.70  420.3      .43      .02   1489.
   20    9.30    31.90       20    24.67  328.2      .79      .08   1484.
   30    9.01    32.08       30    24.85  311.0     1.11      .16   1483.
   50    8.80    32.21       50    24.99  298.2     1.72      .40   1483.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 115
48-34.3 N 125-5.5 W
MO.-6 DAY-26 20.9
31
32
33
34
35
SALINITY, 0/00

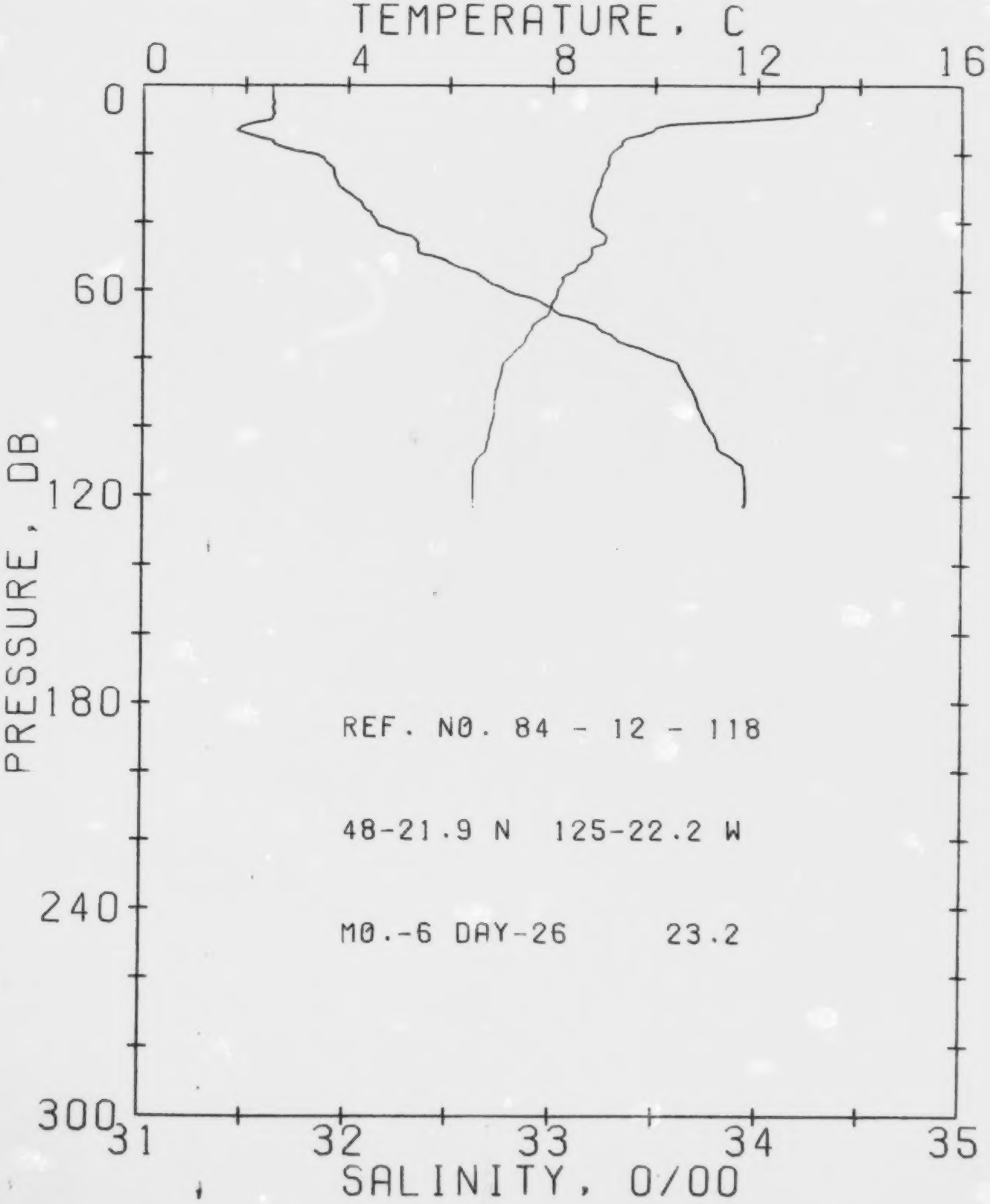
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-115          DATE 26/ 6/84
POSITION  48-34.3N, 125- 5.5W   GMT 20.9      STATION B 3
RESULTS OF STP CAST   117 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                   T                D       EN
   0    11.14   30.67       0    23.41  448.1      .00      .00   1489.
  10    10.43   31.14      10    23.90  402.1      .44      .02   1487.
  20     9.27   31.90      20    24.68  327.5      .79      .07   1484.
  30     9.03   32.01      30    24.80  316.4     1.11      .16   1483.
  50     8.10   32.70      50    25.48  251.8     1.68      .38   1481.
  75     6.74   33.72      75    26.47  157.7     2.14      .68   1478.
 100     6.51   33.82      99    26.57  148.4     2.52     1.02   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 116
48-30.4 N 125-11.0 W
MO.-6 DAY-26 21.6
31
32
33
34
35
SALINITY, O/OO

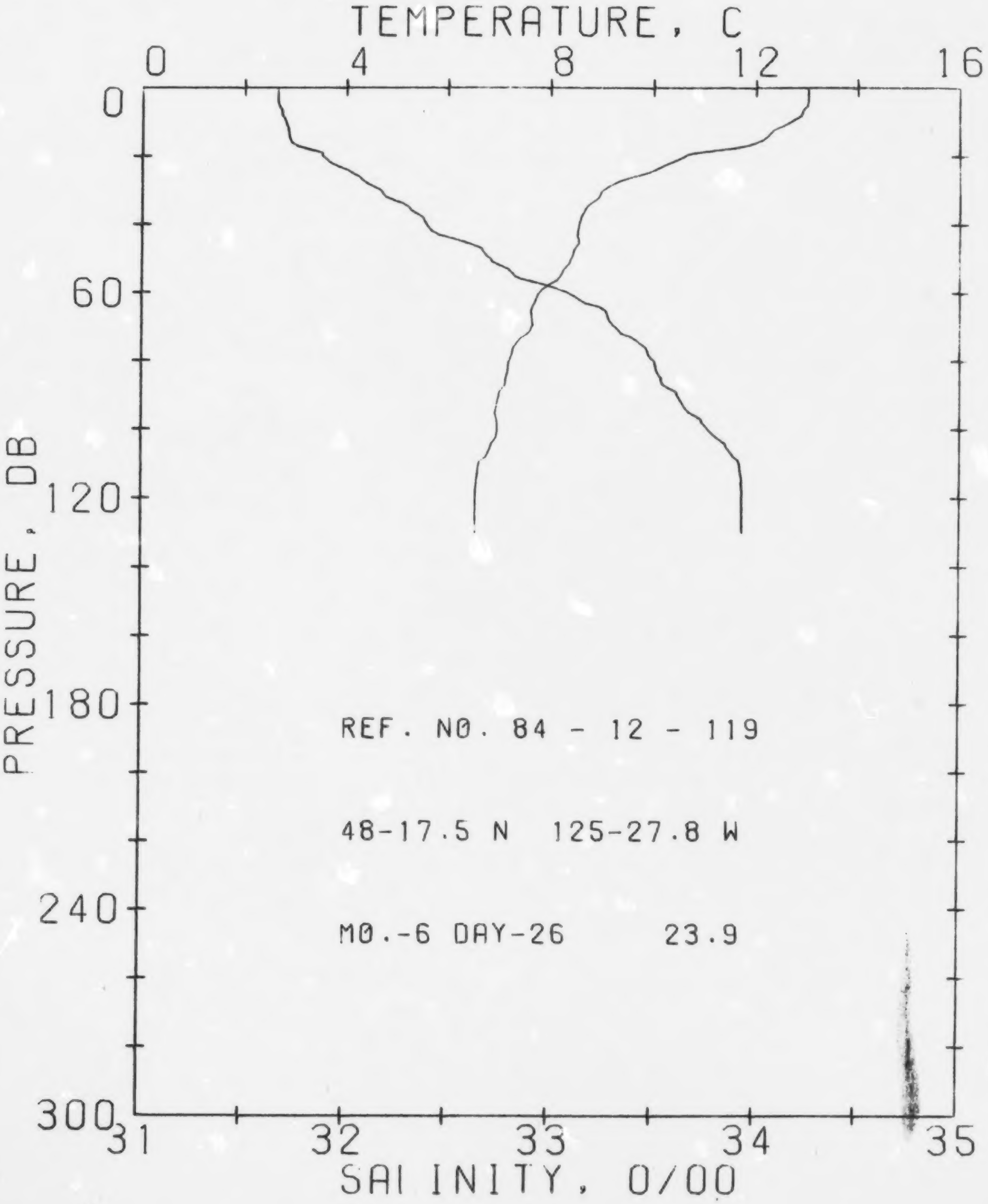
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-116         DATE 26/ 6/84
POSITION  48-30.4N, 125-11.0W   GMT 21.6       STATION B 4
RESULTS OF STP CAST   131 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   10.71   31.18        0    23.88  403.4      .00      .00  1488.
   10   10.62   31.19       10    23.90  401.2      .40      .02  1488.
   20    9.12   31.84       20    24.65  330.0      .75      .07  1483.
   30    8.46   32.43       30    25.21  277.0     1.05      .15  1482.
   50    7.91   33.18       50    25.88  213.8     1.54      .35  1481.
   75    6.90   33.63       75    26.38  166.6     2.01      .64  1478.
  100    6.49   33.85       99    26.60  145.9     2.39      .98  1477.
  125    6.10   33.95      124    26.73  133.6     2.73     1.38  1476.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 117
48-26.2 N 125-16.5 W
MO.-6 DAY-26 22.4
31
32
33
34
35
SALINITY, 0/00

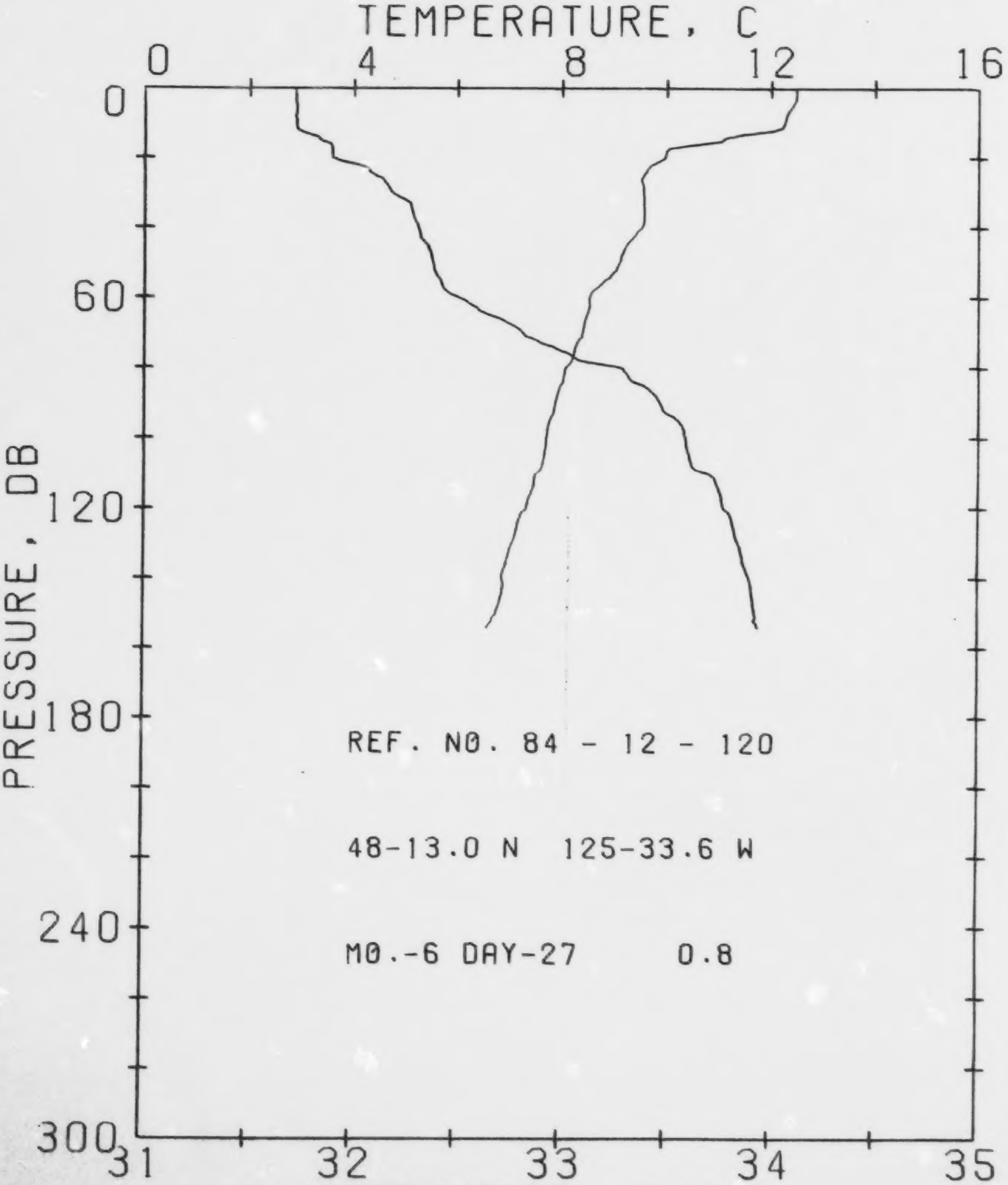
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-117          DATE 26/ 6/84
POSITION  48-26.2N, 125-16.5W    GMT 22.4       STATION B 5
RESULTS OF STP CAST   162 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
    0   11.69   31.41       0   23.89   402.9     .00     .00   1492.
   10   11.60   31.43      10   23.92   399.6     .40     .02   1492.
   20   10.92   31.54      20   24.13   380.2     .79     .08   1490.
   30    9.23   31.76      30   24.58   337.6    1.15     .17   1484.
   50    8.67   32.41      50   25.17   281.6    1.77     .42   1483.
   75    7.68   33.16      75   25.90   212.3    2.36     .80   1480.
  100    6.65   33.84      99   26.58   148.0    2.78    1.17   1478.
  125    6.41   33.93     124   26.67   139.3    3.14    1.58   1477.
  150    6.34   33.95     149   26.70   137.2    3.48    2.06   1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 118
48-21.9 N 125-22.2 W
MO.-6 DAY-26 23.2
31
32
33
34
35
SALINITY, 0/00

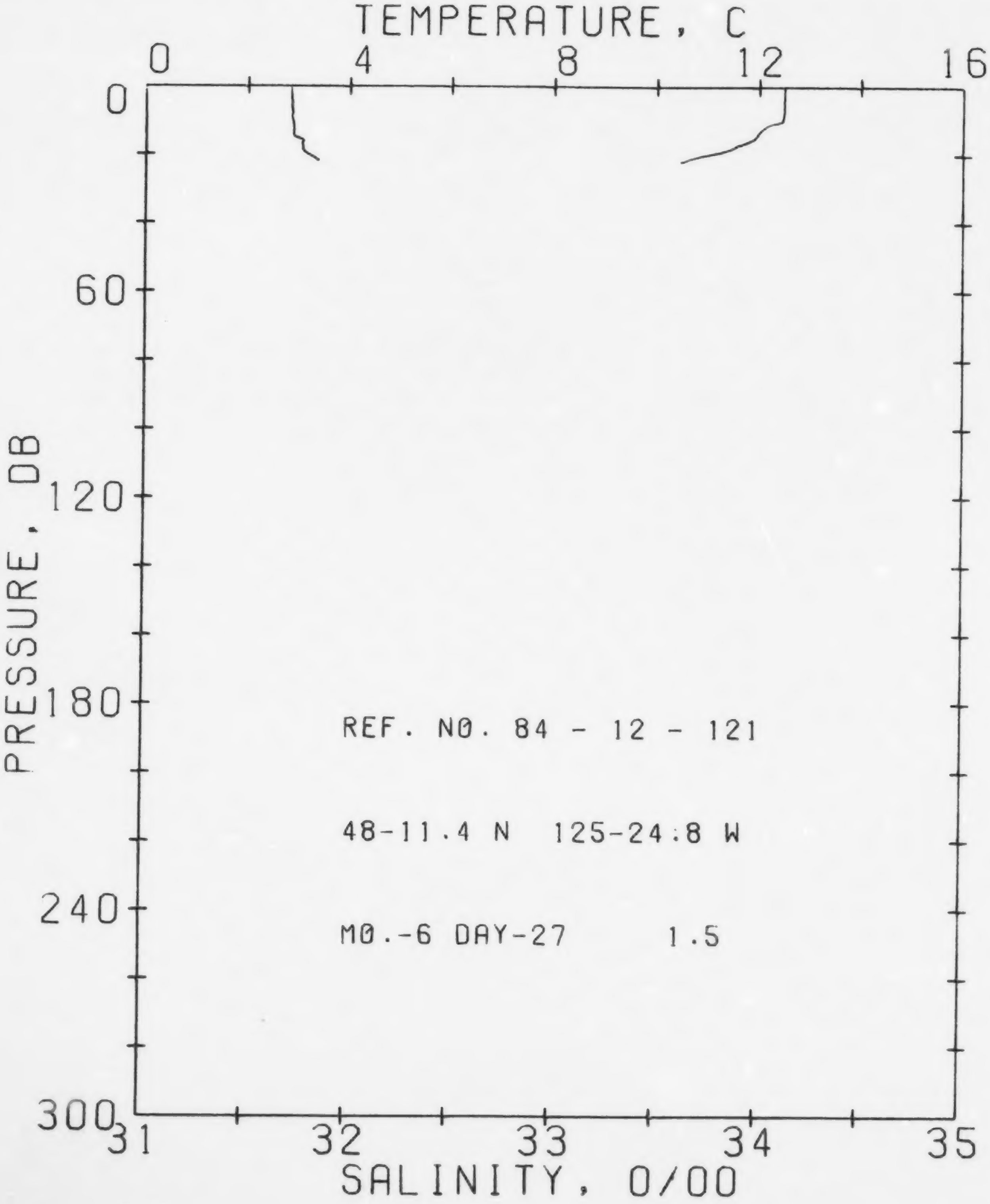
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-118          DATE 26/ 6/84
POSITION  48-21.9N, 125-22.2W    GMT 23.2       STATION B 6
RESULTS OF STP CAST    124 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                D        EN
    0   13.26    31.63       0    23.76    414.7     .00      .00    1498.
   10   11.73    31.62      10    24.04    388.1     .41      .02    1492.
   20    9.12    31.85      20    24.66    329.2     .77      .07    1483.
   30    8.89    31.97      30    24.79    317.0    1.09      .16    1483.
   50    8.74    32.43      50    25.17    281.4    1.69      .40    1483.
   75    7.47    33.32      75    26.06    197.2    2.28      .77    1480.
  100    6.80    33.76      99    26.49    156.3    2.70     1.15    1478.
  125    6.49    33.91     124    26.65    141.4    3.08     1.57    1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 84 - 12 - 119
48-17.5 N 125-27.8 W
M0.-6 DAY-26 23.9
31
32
33
34
35
SALINITY, 0/00

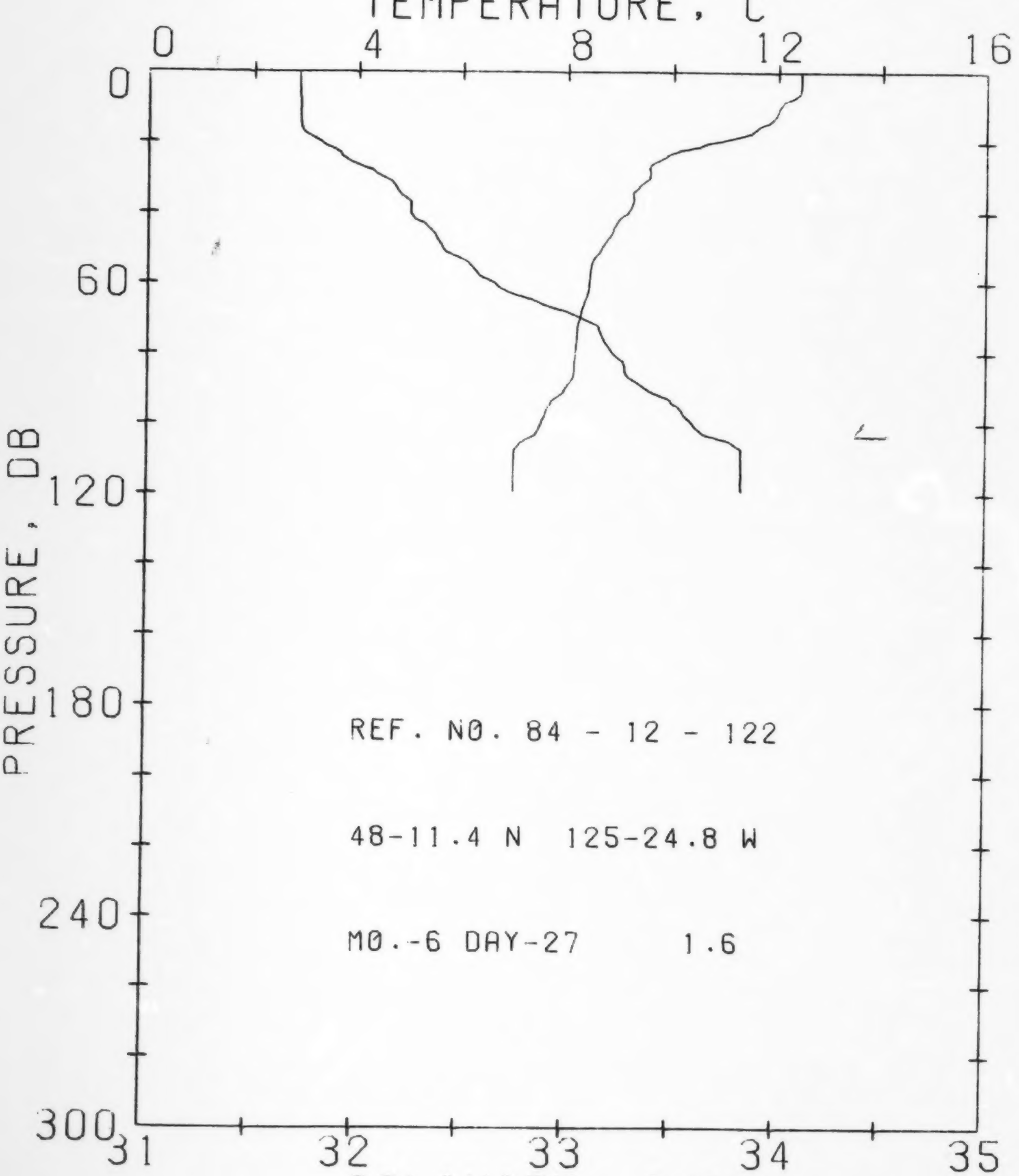
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-119          DATE 26/ 6/84
POSITION  48-17.5N, 125-27.8W   GMT 23.9       STATION B 7
RESULTS OF STP CAST   131 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                 D       EN
    0   13.04    31.66        0    23.83   408.3      .00      .00   1497.
   10   12.66    31.70       10    23.93   398.7      .41      .02   1496.
   20   10.59    31.88       20    24.45   349.6      .79      .08   1489.
   30    9.00    32.17       30    24.93   303.8     1.11      .16   1484.
   50    8.39    32.71       50    25.44   255.4     1.67      .39   1482.
   75    7.32    33.44       75    26.17   186.5     2.22      .73   1479.
  100    6.97    33.77       99    26.48   157.8     2.65     1.11   1479.
  125    6.54    33.93      124    26.66   140.3     3.01     1.53   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 120
48-13.0 N 125-33.6 W
MO.-6 DAY-27 0.8
31
32
33
34
35
SALINITY, O/OO

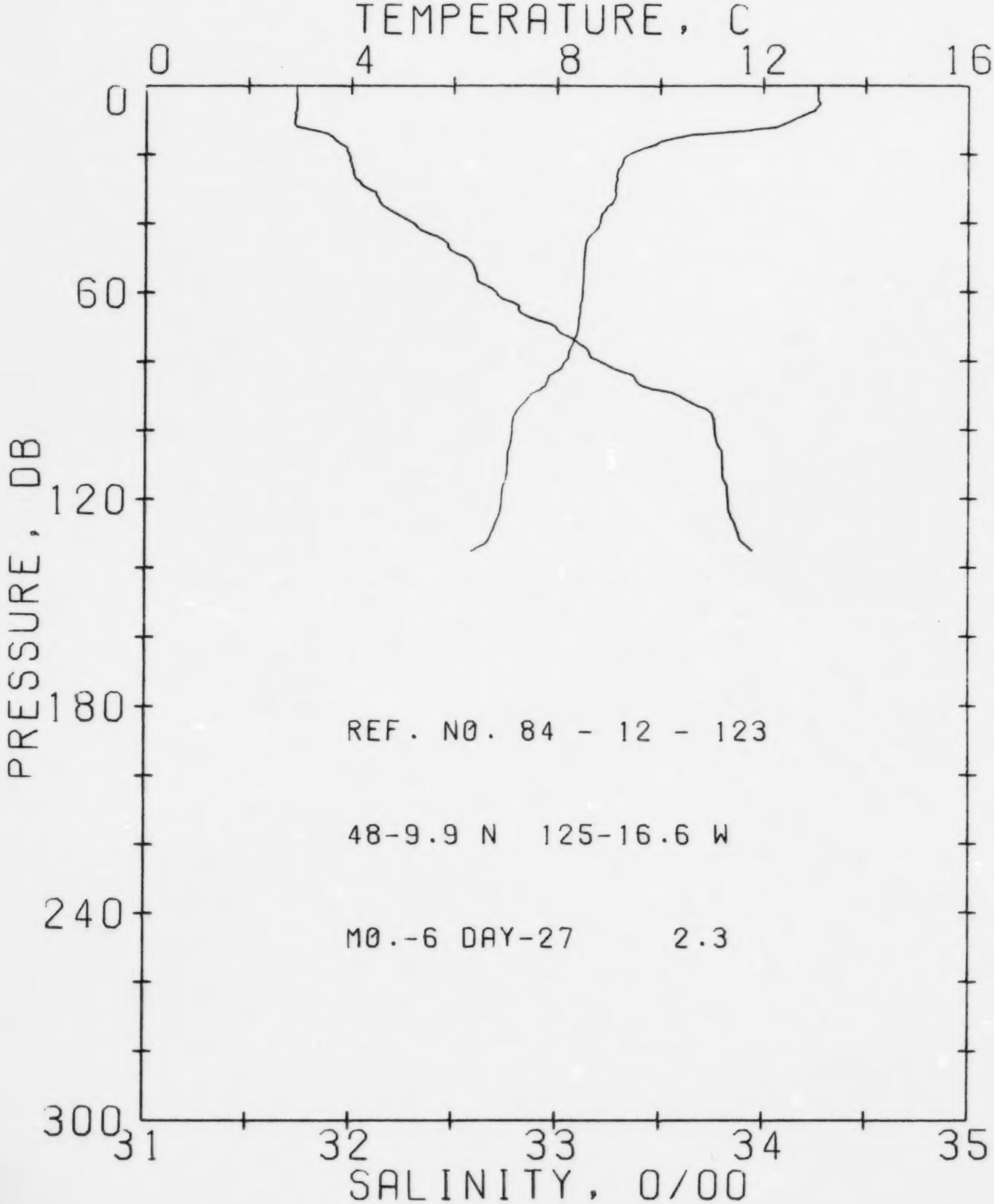
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-120          DATE 27/ 6/84
POSITION  48-13.0N, 125-33.6W   GMT   .8        STATION B 8
RESULTS OF STP CAST   155 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA    SVA     DELTA      POT.    SOUND
                                      T                D         EN
    0   12.49    31.72        0     23.98   393.8      .00       .00    1495.
   10   12.27    31.73       10     24.02   389.9      .39       .02    1494.
   20    9.97    31.90       20     24.56   338.6      .75       .07    1487.
   30    9.56    32.19       30     24.85   311.1     1.07       .16    1486.
   50    9.11    32.39       50     25.08   289.8     1.67       .40    1485.
   75    8.26    32.99       75     25.68   232.8     2.33       .82    1483.
  100    7.72    33.60       99     26.23   180.9     2.83      1.26    1482.
  125    7.16    33.82      124     26.49   156.7     3.25      1.74    1480.
  150    6.76    33.93      149     26.63   144.0     3.63      2.27    1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 121
48-11.4 N 125-24.8 W
MO.-6 DAY-27 1.5

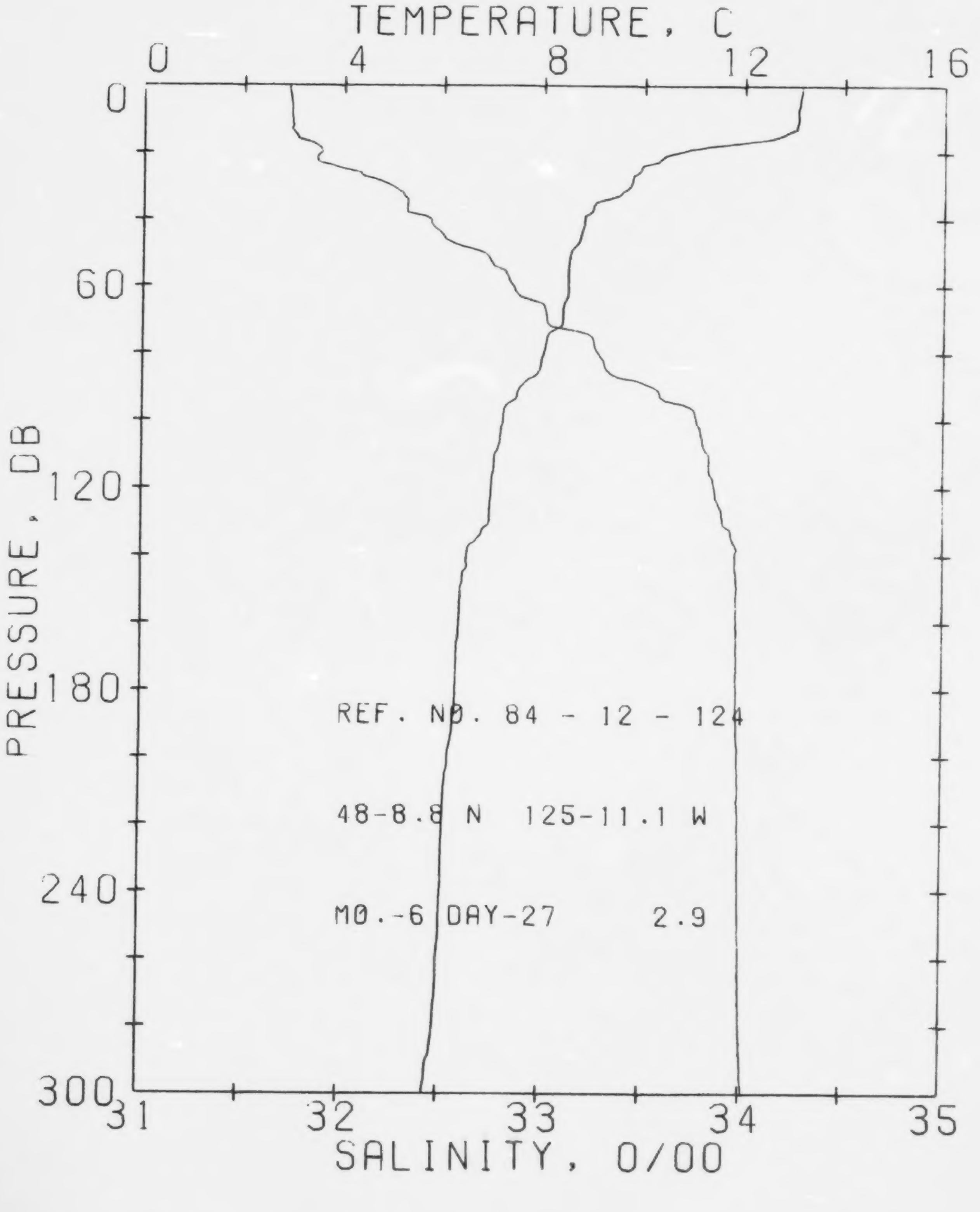
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-121        DATE 27/ 6/84
POSITION  48-11.4N, 125-24.8W   GMT  1.5       STATION S 7
RESULTS OF STP CAST    23 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
    0   12.50   31.71        0   23.97   394.8     .00      .00   1495.
   10   12.47   31.72       10   23.98   394.0     .39      .02   1495.
   20   10.92   31.79       20   24.32   361.7     .77      .08   1490.

PRES  DEPTH       TEMP     SAL        PRES   DEPTH        TEMP     SAL

  0.              12.50   31.71        12.                12.09   31.73
  1.              12.50   31.71        13.                12.02   31.73
  2.              12.50   31.71        14.                11.97   31.72
  3.              12.50   31.72        15.                11.92   31.73
  4.              12.50   31.72        16.                11.80   31.78
  5.              12.50   31.72        17.                11.60   31.77
  6.              12.50   31.72        18.                11.48   31.77
  7.              12.50   31.72        19.                11.27   31.77
  8.              12.49   31.72        20.                10.92   31.79
  9.              12.48   31.72        21.                10.64   31.83
 10.              12.47   31.72        22.                10.49   31.85
 11.              12.20   31.72
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 122
48-11.4 N 125-24.8 W
MO.-6 DAY-27 1.6

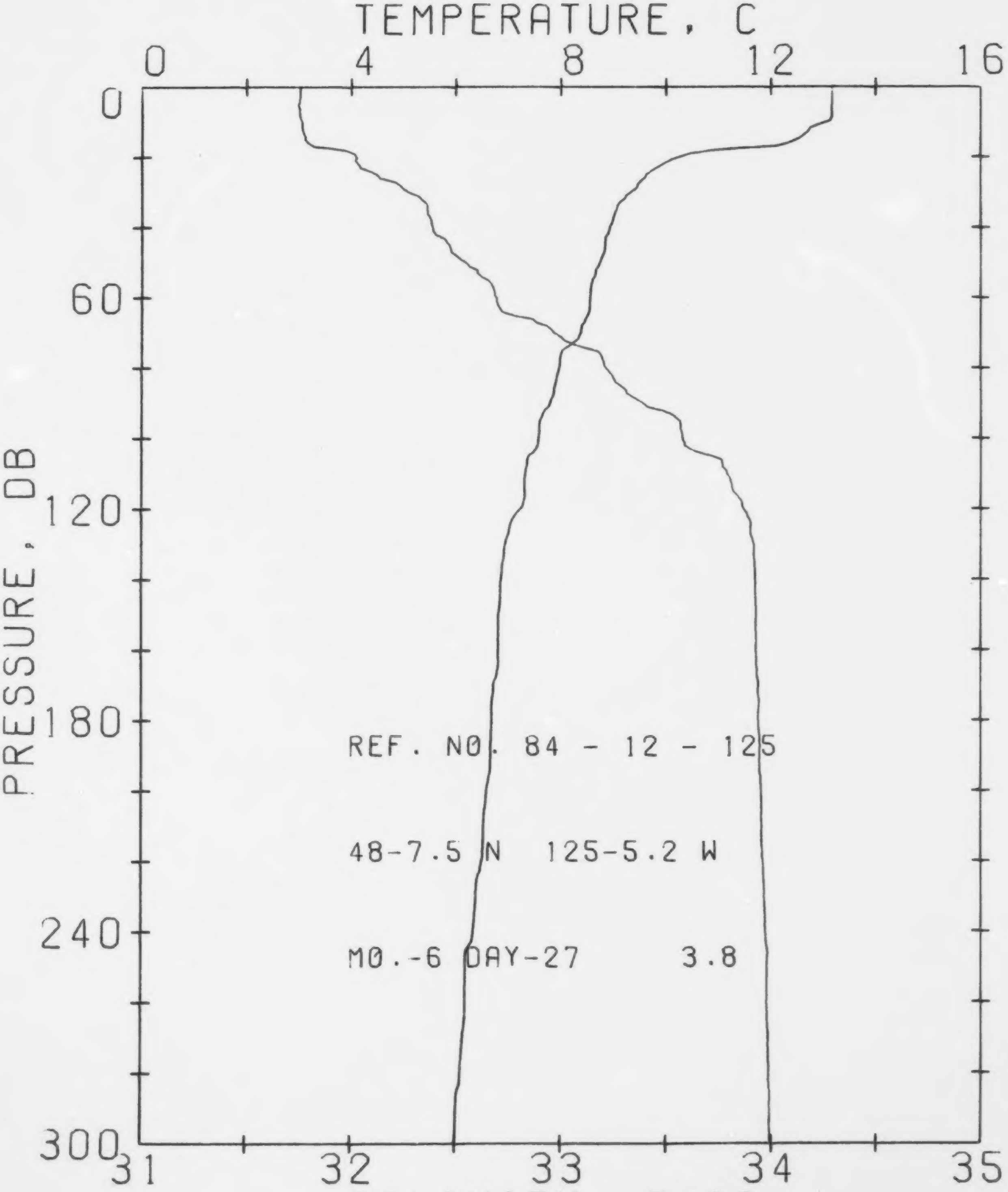
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-122         DATE 27/ 6/84
POSITION  48-11.4N, 125-24.8W   GMT  1.6       STATION S 7
RESULTS OF STP CAST   120 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
   0   12.45   31.72       0    23.98   393.5     .00     .00  1495.
  10   12.03   31.72      10    24.07   385.8     .39     .02  1494.
  20   10.65   31.83      20    24.40   354.6     .77     .08  1489.
  30    9.57   32.13      30    24.81   315.8    1.10     .16  1486.
  50    8.66   32.41      50    25.17   281.4    1.70     .40  1483.
  75    8.20   33.17      75    25.83   218.9    2.32     .80  1483.
 100    7.52   33.60      99    26.27   177.6    2.82    1.24  1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 123
48-9.9 N 125-16.6 W
MO.-6 DAY-27 2.3

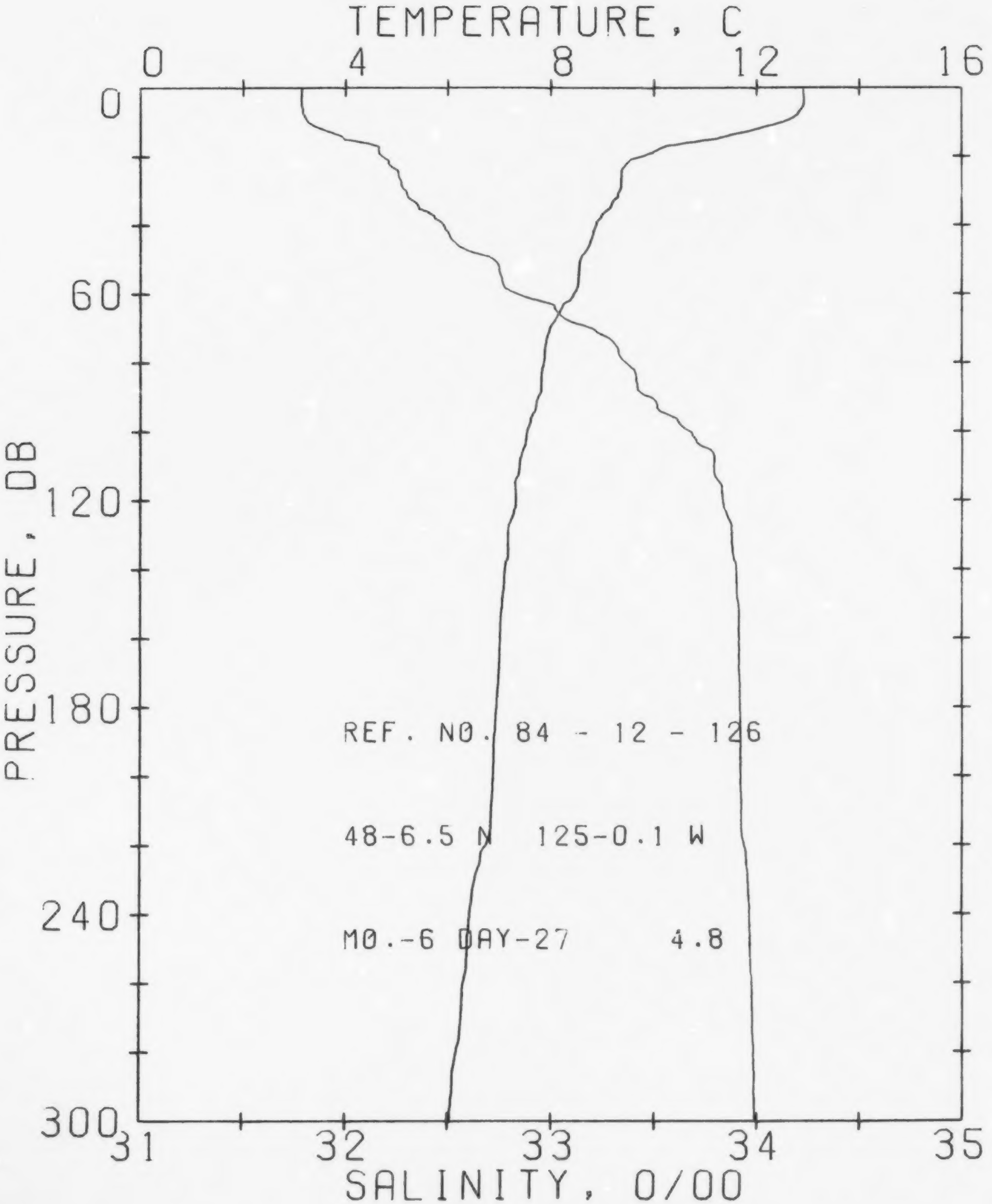
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-123        DATE 27/ 6/84
POSITION  48- 9.9N, 125-16.6W   GMT  2.3      STATION S 6
RESULTS OF STP CAST   136 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D        EN
    0   13.06   31.73        0    23.88   403.6     .00      .00   1497.
   10   12.57   31.73       10    23.97   395.2     .40      .02   1496.
   20    9.37   31.99       20    24.73   322.6     .76      .07   1485.
   30    9.12   32.08       30    24.84   312.1    1.07      .15   1484.
   50    8.53   32.57       50    25.31   267.8    1.66      .39   1483.
   75    8.32   33.11       75    25.77   224.7    2.28      .79   1483.
  100    7.14   33.77       99    26.45   160.3    2.76     1.21   1480.
  125    6.88   33.85      124    26.55   151.3    3.15     1.65   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 124
48-8.8 N 125-11.1 W
MO.-6 DAY-27 2.9

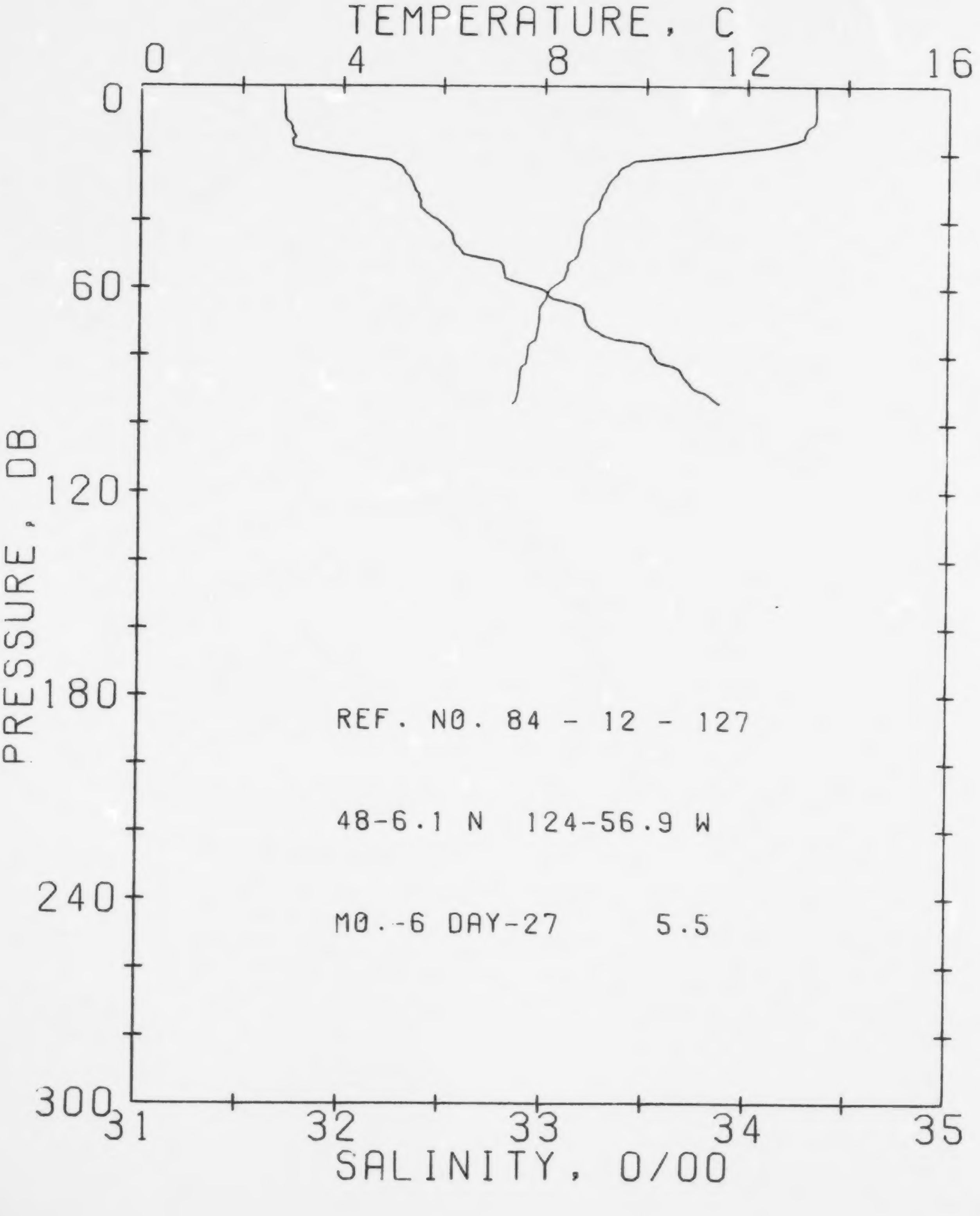
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-124         DATE 27/ 6/84
POSITION  48- 8.8N, 125-11.1W   GMT  2.9       STATION S5A5
RESULTS OF STP CAST   303 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   13.14   31.73        0    23.86  405.6      .00      .00  1497.
   10   13.07   31.74       10    23.88  403.4      .40      .02  1497.
   20   10.68   31.89       20    24.44  350.6      .79      .08  1489.
   30    9.72   32.24       30    24.87  309.8     1.12      .16  1486.
   50    8.53   32.70       50    25.42  257.9     1.69      .39  1483.
   75    8.08   33.24       75    25.91  211.7     2.29      .78  1482.
  100    7.21   33.76       99    26.44  161.4     2.77     1.20  1480.
  125    6.96   33.88      124    26.56  150.1     3.16     1.64  1479.
  150    6.38   33.97      149    26.71  135.9     3.51     2.14  1478.
  175    6.31   33.97      174    26.72  135.2     3.85     2.70  1478.
  200    6.15   33.98      199    26.75  132.8     4.19     3.34  1478.
  225    6.05   33.99      223    26.77  131.4     4.52     4.05  1478.
  250    6.01   33.99      248    26.78  131.1     4.85     4.85  1478.
  300    5.72   34.01      298    26.83  126.5     5.49     6.66  1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 125
48-7.5 N 125-5.2 W
MO.-6 DAY-27 3.8

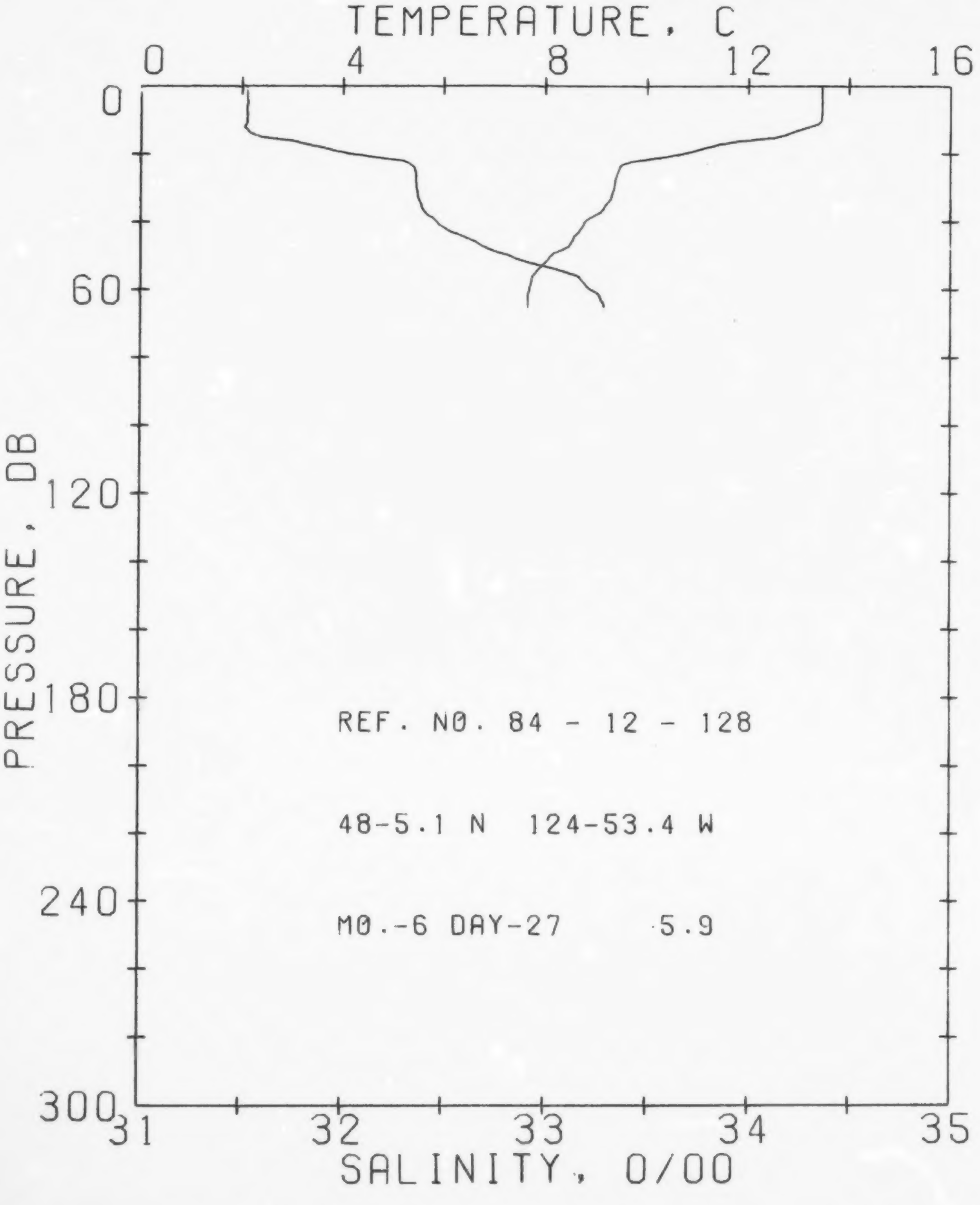
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-125         DATE 27/ 6/84
POSITION  48- 7.5N, 125- 5.2W   GMT  3.8        STATION S 4
RESULTS OF STP CAST   308 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D        EN
    0   13.18   31.76       0    23.87   403.9      .00      .00   1497.
   10   13.12   31.77      10    23.89   402.4      .40      .02   1497.
   20   10.26   32.03      20    24.61   333.7      .78      .08   1488.
   30    9.33   32.27      30    24.96   301.1     1.10      .16   1485.
   50    8.74   32.55      50    25.26   272.3     1.67      .39   1483.
   75    8.02   33.17      75    25.86   216.1     2.30      .79   1482.
  100    7.57   33.58      99    26.24   180.3     2.80     1.23   1481.
  125    7.02   33.90     124    26.57   149.2     3.20     1.69   1480.
  150    6.81   33.93     149    26.62   144.5     3.57     2.20   1479.
  175    6.68   33.94     174    26.65   142.2     3.93     2.80   1479.
  200    6.58   33.95     199    26.67   140.6     4.28     3.48   1479.
  225    6.41   33.96     223    26.70   137.9     4.63     4.24   1479.
  250    6.18   33.98     248    26.74   134.2     4.97     5.06   1479.
  300    6.00   33.99     298    26.78   131.6     5.64     6.93   1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 126
48-6.5 N 125-0.1 W
MO.-6 DAY-27 4.8

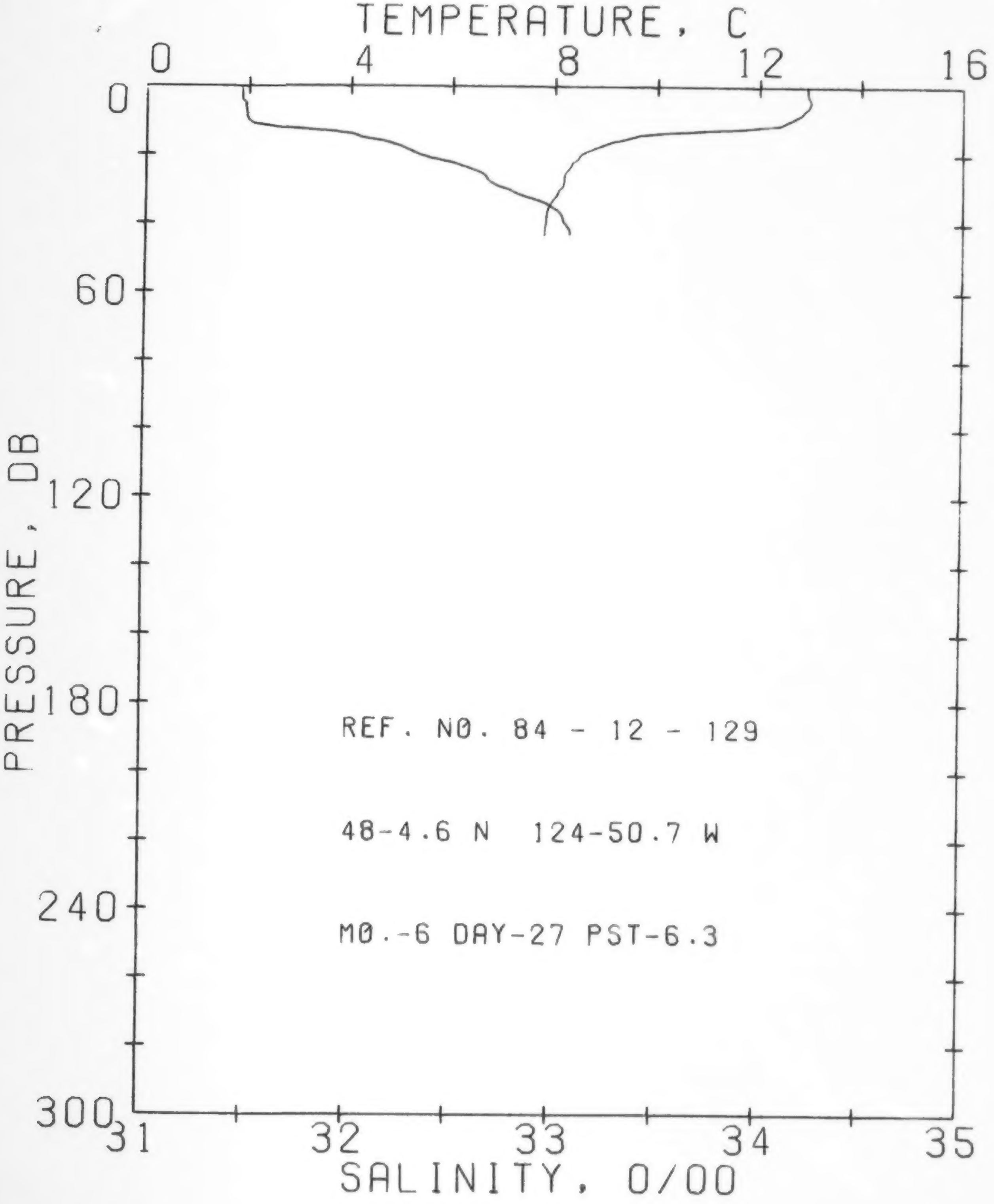
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-126          DATE 27/ 6/84
POSITION  48- 6.5N, 125-  .1W   GMT  4.8       STATION S3A
RESULTS OF STP CAST   319 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   12.92   31.79       0    23.95   397.1     .00     .00   1497.
   10   12.54   31.82      10    24.04   388.0     .40     .02   1495.
   20    9.79   32.18      20    24.81   315.2     .74     .07   1486.
   30    9.33   32.29      30    24.97   299.6    1.05     .15   1485.
   50    8.57   32.72      50    25.43   256.9    1.61     .38   1483.
   75    7.88   33.31      75    25.99   203.6    2.20     .75   1481.
  100    7.52   33.68      99    26.33   172.0    2.67    1.17   1481.
  125    7.24   33.86     124    26.51   155.1    3.08    1.64   1481.
  150    7.04   33.91     149    26.58   149.1    3.46    2.17   1480.
  175    6.96   33.92     174    26.59   147.9    3.83    2.78   1480.
  200    6.87   33.92     199    26.61   146.5    4.20    3.48   1480.
  225    6.61   33.94     223    26.66   141.9    4.56    4.27   1480.
  250    6.37   33.96     248    26.71   137.6    4.91    5.11   1479.
  300    6.03   33.99     298    26.77   132.1    5.58    7.00   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 127
48-6.1 N 124-56.9 W
MO.-6 DAY-27 5.5

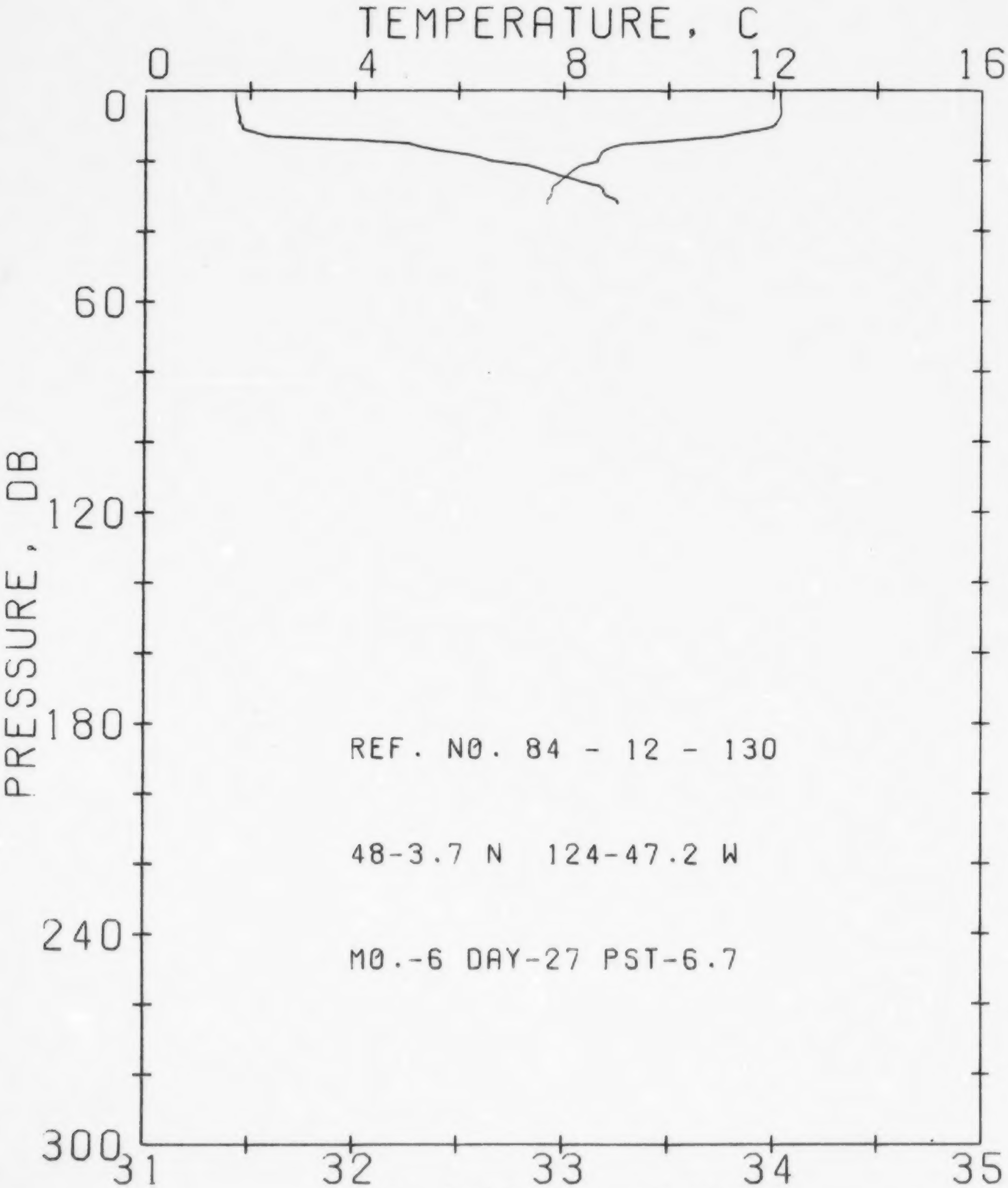
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-127         DATE 27/ 6/84
POSITION  48- 6.1N, 124-56.9W   GMT  5.5       STATION S2A
RESULTS OF STP CAST    95 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0    13.37   31.71       0    23.80  411.1      .00     .00  1498.
  10    13.37   31.72      10    23.80  410.8      .41     .02  1498.
  20    11.23   31.95      20    24.38  355.8      .81     .08  1491.
  30     9.22   32.36      30    25.04  293.4     1.11     .16  1485.
  50     8.65   32.60      50    25.32  267.0     1.67     .39  1483.
  75     7.83   33.34      75    26.02  200.8     2.25     .75  1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 128
48-5.1 N 124-53.4 W
MO.-6 DAY-27 5.9
31
32
33
34
35
SALINITY, 0/00

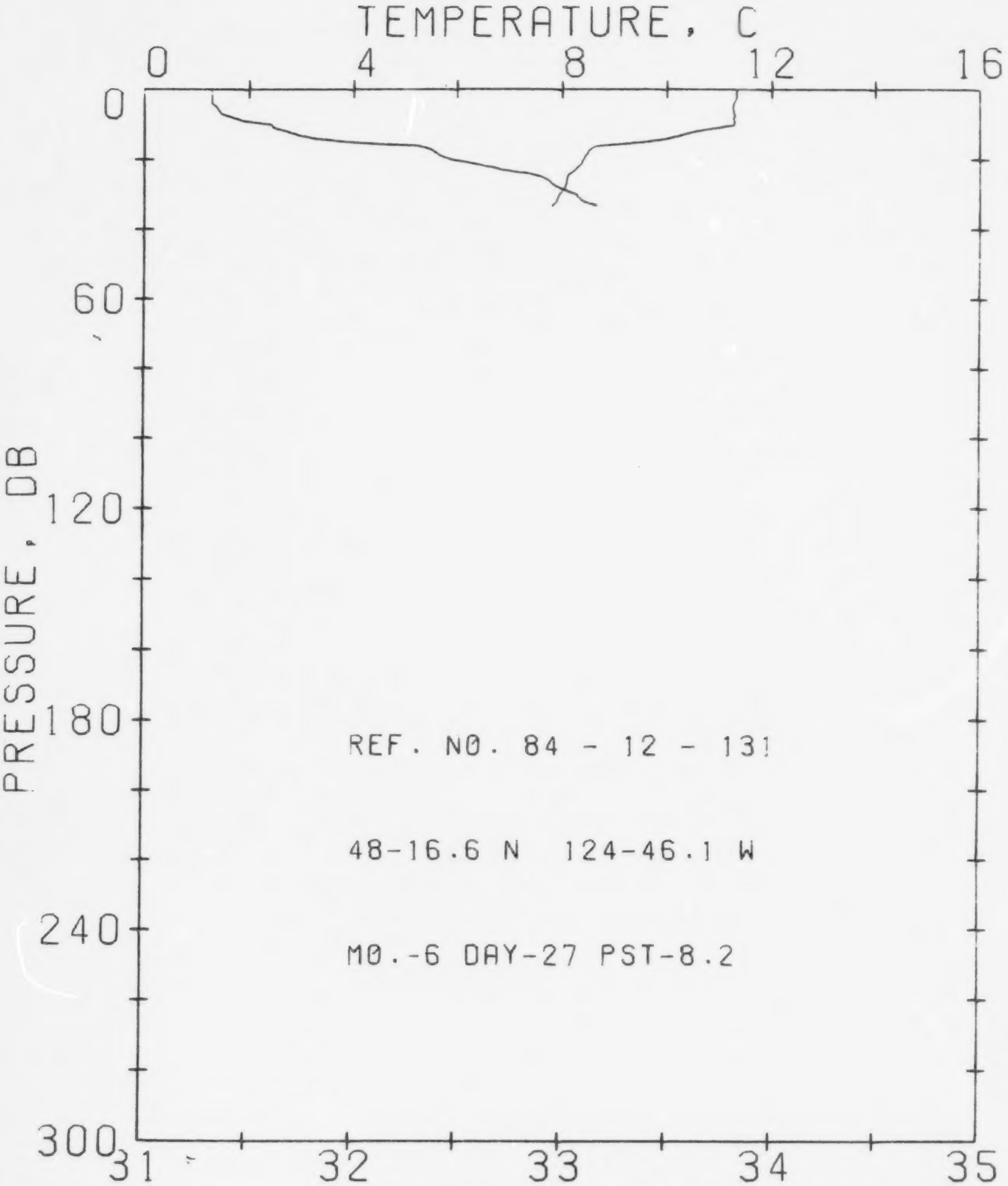
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-128         DATE 27/ 6/84
POSITION  48- 5.1N, 124-53.4W   GMT  5.9      STATION S 2
RESULTS OF STP CAST    66 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP      SAL    DEPTH     SIGMA    SVA     DELTA     POT.    SOUND
                                      T                D        EN
   0    13.47    31.53       0     23.64   426.3      .00      .00   1498.
  10    13.47    31.53      10     23.64   426.7      .43      .02   1498.
  20    10.67    32.04      20     24.55   339.5      .82      .08   1489.
  30     9.35    32.37      30     25.03   294.7     1.12      .16   1485.
  50     8.10    32.83      50     25.58   242.3     1.67      .38   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 129
48-4.6 N 124-50.7 W
M0.-6 DAY-27 PST-6.3

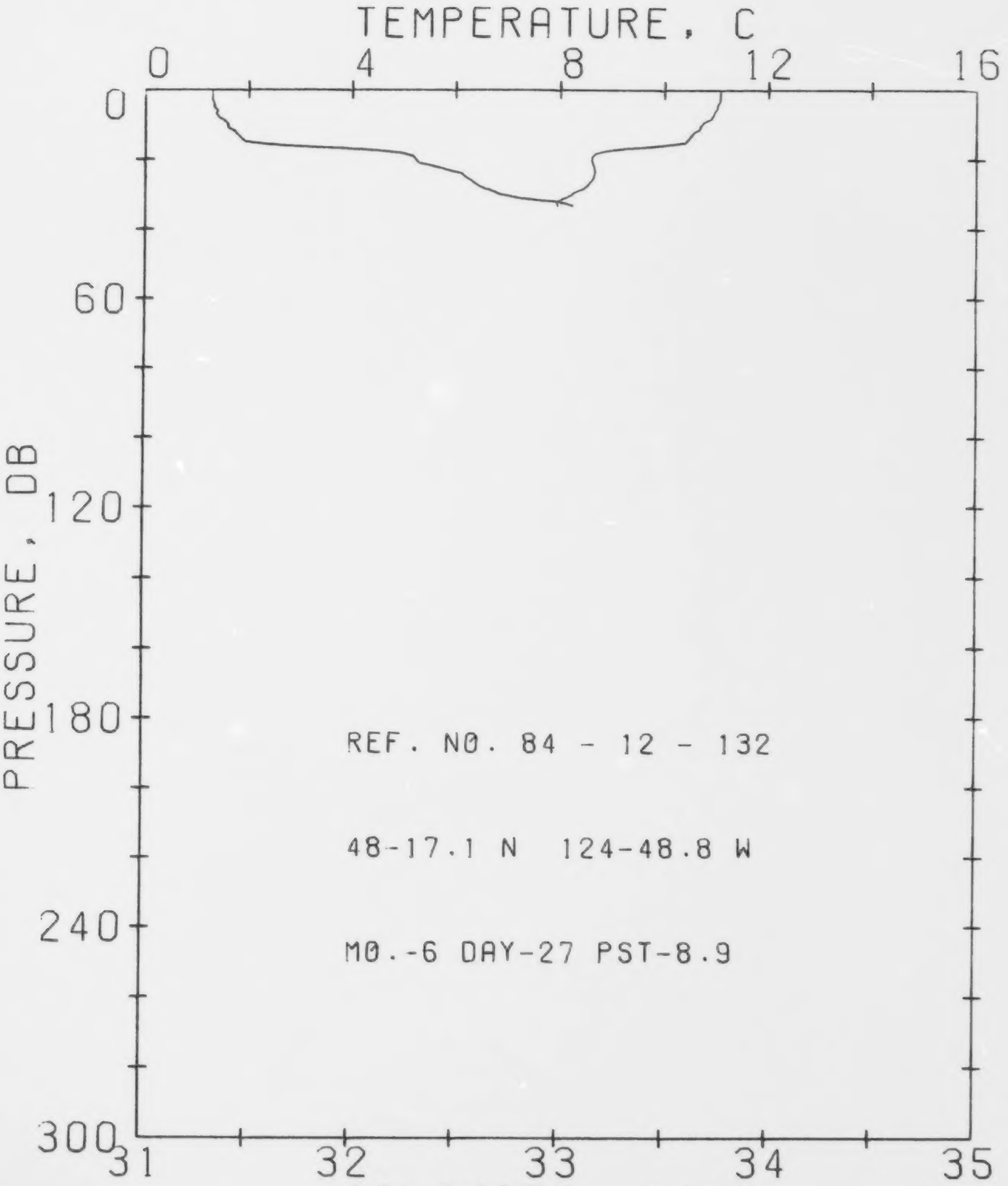
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-129          DATE 27/ 6/84
POSITION  48- 4.6N, 124-50.7W   GMT  6.3        STATION S1A
RESULTS OF STP CAST    44 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T                D       EN
   0    12.95   31.47       0    23.70   421.0     .00      .00   1496.
  10    12.56   31.50      10    23.80   411.5     .42      .02   1495.
  20     8.50   32.35      20    25.14   283.5     .75      .07   1482.
  30     8.10   32.78      30    25.54   245.4    1.01      .14   1481.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH       TEMP     SAL

  0.            12.95   31.47        22.               8.36   32.49
  1.            12.95   31.47        23.               8.33   32.54
  2.            12.95   31.47        24.               8.28   32.59
  3.            12.98   31.47        25.               8.21   32.64
  4.            13.02   31.47        26.               8.19   32.67
  5.            13.01   31.49        27.               8.19   32.67
  6.            12.97   31.49        28.               8.19   32.69
  7.            12.88   31.49        29.               8.16   32.73
  8.            12.84   31.49        30.               8.10   32.78
  9.            12.70   31.49        31.               8.07   32.81
 10.            12.56   31.50        32.               8.03   32.86
 11.            12.43   31.53        33.               7.96   32.92
 12.            11.72   31.64        34.               7.91   32.96
 13.            10.48   31.88        35.               7.89   32.99
 14.             9.66   32.01        36.               7.86   33.02
 15.             9.43   32.06        37.               7.85   33.03
 16.             9.12   32.17        38.               7.84   33.04
 17.             8.94   32.23        39.               7.84   33.04
 18.             8.77   32.27        40.               7.83   33.05
 19.             8.59   32.31        41.               7.81   33.07
 20.             8.50   32.35        42.               7.81   33.08
 21.             8.46   32.40        43.               7.81   33.08
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 12 - 130
48-3.7 N 124-47.2 W
M0.-6 DAY-27 PST-6.7

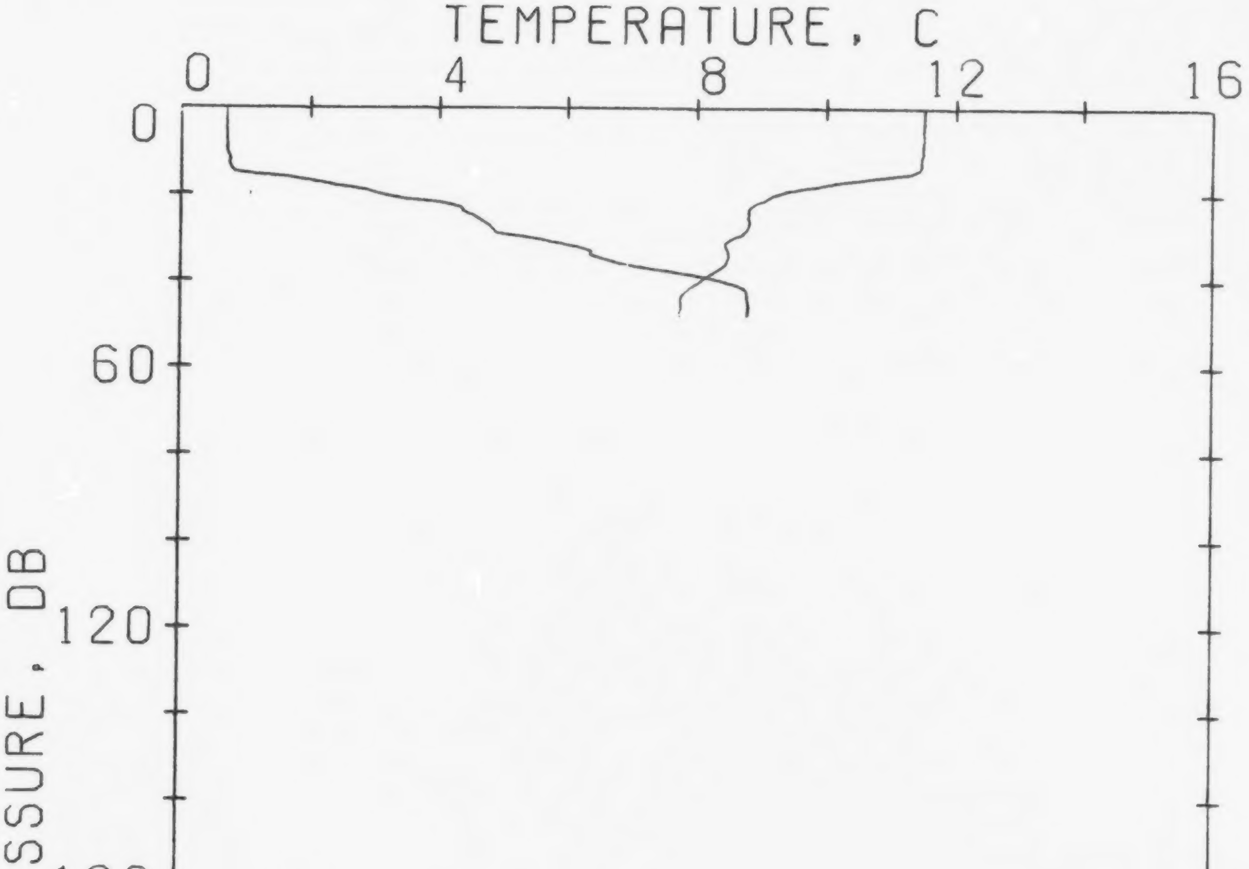
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-130         DATE 27/ 6/84
POSITION  48- 3.7N, 124-47.2W   GMT  6.7        STATION S 1
RESULTS OF STP CAST     33 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                     T                 D        EN
    0   12.14   31.43        0     23.82   409.0      .00       .00   1493.
   10   12.03   31.46       10     23.87   404.9      .41       .02   1493.
   20    8.66   32.65       20     25.36   262.8      .73       .07   1483.
   30    7.76   33.21       30     25.92   209.3      .96       .13   1480.

PRES  DEPTH       TEMP     SAL       PRES  DEPTH       TEMP     SAL

  0.              12.14   31.43       17.               8.75   32.40
  1.              12.14   31.43       18.               8.72   32.52
  2.              12.14   31.43       19.               8.68   32.61
  3.              12.14   31.43       20.               8.66   32.65
  4.              12.15   31.43       21.               8.35   32.81
  5.              12.16   31.44       22.               8.24   32.88
  6.              12.16   31.44       23.               8.15   32.93
  7.              12.15   31.45       24.               8.08   32.97
  8.              12.12   31.45       25.               7.99   33.04
  9.              12.08   31.45       26.               7.92   33.10
 10.              12.03   31.46       27.               7.81   33.17
 11.              11.76   31.47       28.               7.78   33.19
 12.              11.34   31.53       29.               7.78   33.19
 13.              10.99   31.59       30.               7.76   33.21
 14.              10.15   31.98       31.               7.69   33.25
 15.               9.14   32.27       32.               7.68   33.26
 16.               8.90   32.32
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
SALINITY, 0/00
31
32
33
34
35
REF. NO. 84 - 12 - 131
48-16.6 N 124-46.1 W
MO.-6 DAY-27 PST-8.2

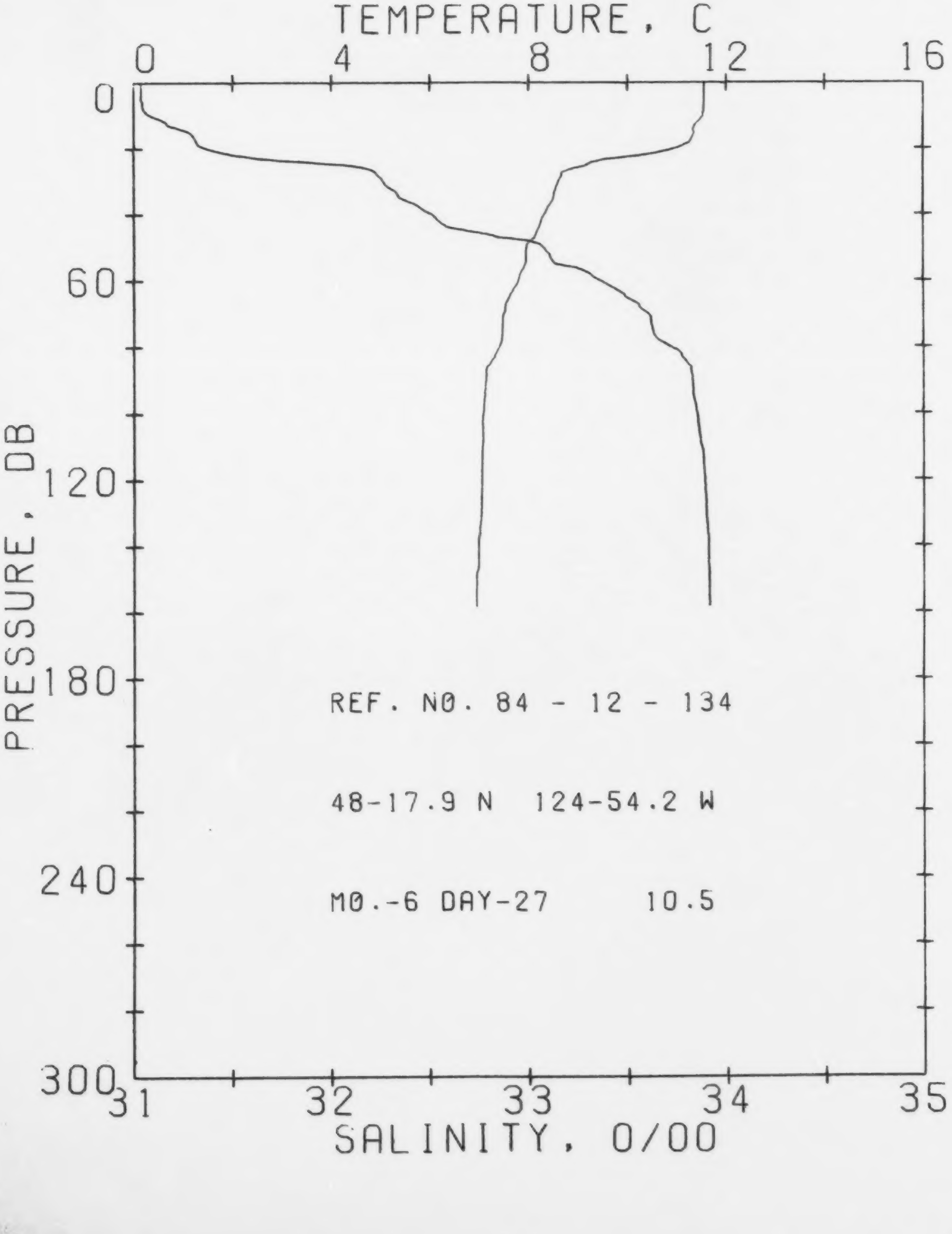
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-131          DATE 27/ 6/84
POSITION  48-16.6N, 124-46.1W   GMT  8.2        STATION R 1
RESULTS OF STP CAST     34 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0   11.34    31.32       0    23.88   403.1     .00      .00   1491.
  10   11.30    31.61      10    24.11   381.4     .40      .02   1491.
  20    8.41    32.47      20    25.25   272.9     .72      .07   1482.
  30    7.95    33.07      30    25.79   221.9     .96      .13   1481.

PRES  DEPTH      TEMP      SAL        PRES  DEPTH       TEMP     SAL

  0.             11.34    31.32        17.              8.54    32.38
  1.             11.34    31.32        18.              8.50    32.40
  2.             11.34    31.32        19.              8.44    32.43
  3.             11.31    31.32        20.              8.41    32.47
  4.             11.27    31.32        21.              8.38    32.57
  5.             11.25    31.35        22.              8.31    32.66
  6.             11.27    31.36        23.              8.25    32.73
  7.             11.30    31.37        24.              8.13    32.85
  8.             11.27    31.42        25.              8.11    32.92
  9.             11.30    31.48        26.              8.10    32.94
 10.             11.30    31.61        27.              8.09    32.96
 11.             10.84    31.62        28.              8.06    32.99
 12.             10.48    31.69        29.              8.01    33.03
 13.             10.24    31.74        30.              7.95    33.07
 14.             10.00    31.82        31.              7.93    33.09
 15.              9.44    31.99        32.              7.90    33.11
 16.              8.64    32.32        33.              7.82    33.17
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 132
48-17.1 N 124-48.8 W
MO.-6 DAY-27 PST-8.9

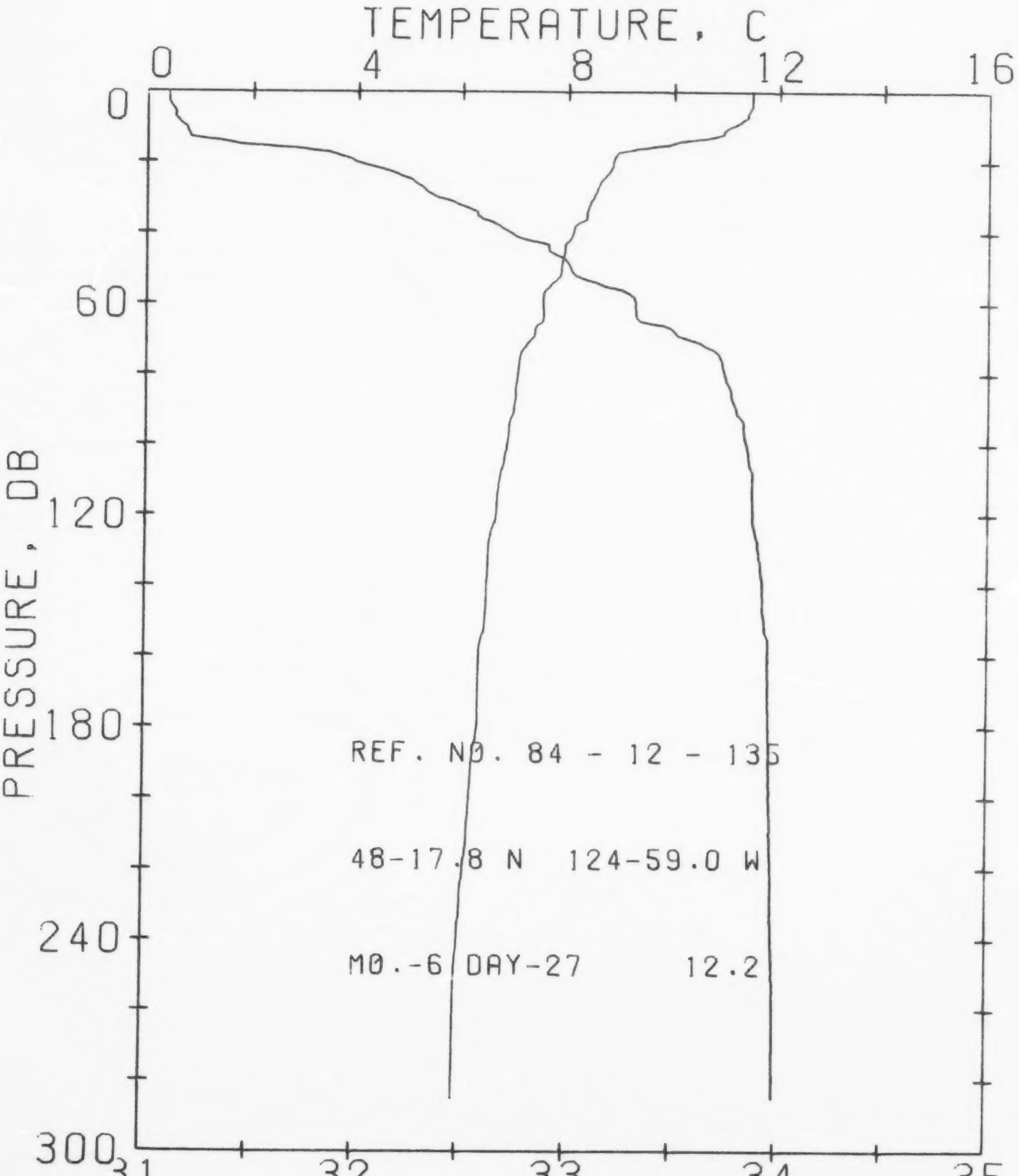
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-132         DATE 27/ 6/84
POSITION  49-17.1N, 124-48.8W   GMT  8.9       STATION R 2
RESULTS OF STP CAST     34 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    11.08   31.32       0    23.93   398.7     .00      .00   1490.
  10    10.71   31.40      10    24.05   387.2     .40      .02   1489.
  20     8.60   32.31      20    25.10   287.6     .74      .07   1482.
  30     8.22   32.71      30    25.47   252.2    1.02      .14   1481.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH      TEMP     SAL

  0.            11.08   31.32         17.             8.98   32.04
  1.            11.08   31.32         18.             8.67   32.23
  2.            11.08   31.32         19.             8.61   32.30
  3.            11.08   31.32         20.             8.60   32.31
  4.            11.03   31.33         21.             8.62   32.33
  5.            11.02   31.33         22.             8.64   32.40
  6.            10.98   31.35         23.             8.67   32.47
  7.            10.95   31.34         24.             8.66   32.53
  8.            10.92   31.36         25.             8.64   32.55
  9.            10.76   31.39         26.             8.60   32.58
 10.            10.71   31.40         27.             8.54   32.60
 11.            10.69   31.40         28.             8.47   32.63
 12.            10.57   31.44         29.             8.29   32.68
 13.            10.52   31.45         30.             8.22   32.71
 14.            10.46   31.47         31.             8.05   32.81
 15.            10.41   31.49         32.             7.93   32.99
 16.             9.85   31.66         33.             7.94   33.06
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 133
48-17.4 N 124-51.2 W
MO.-6 DAY-27 9.6

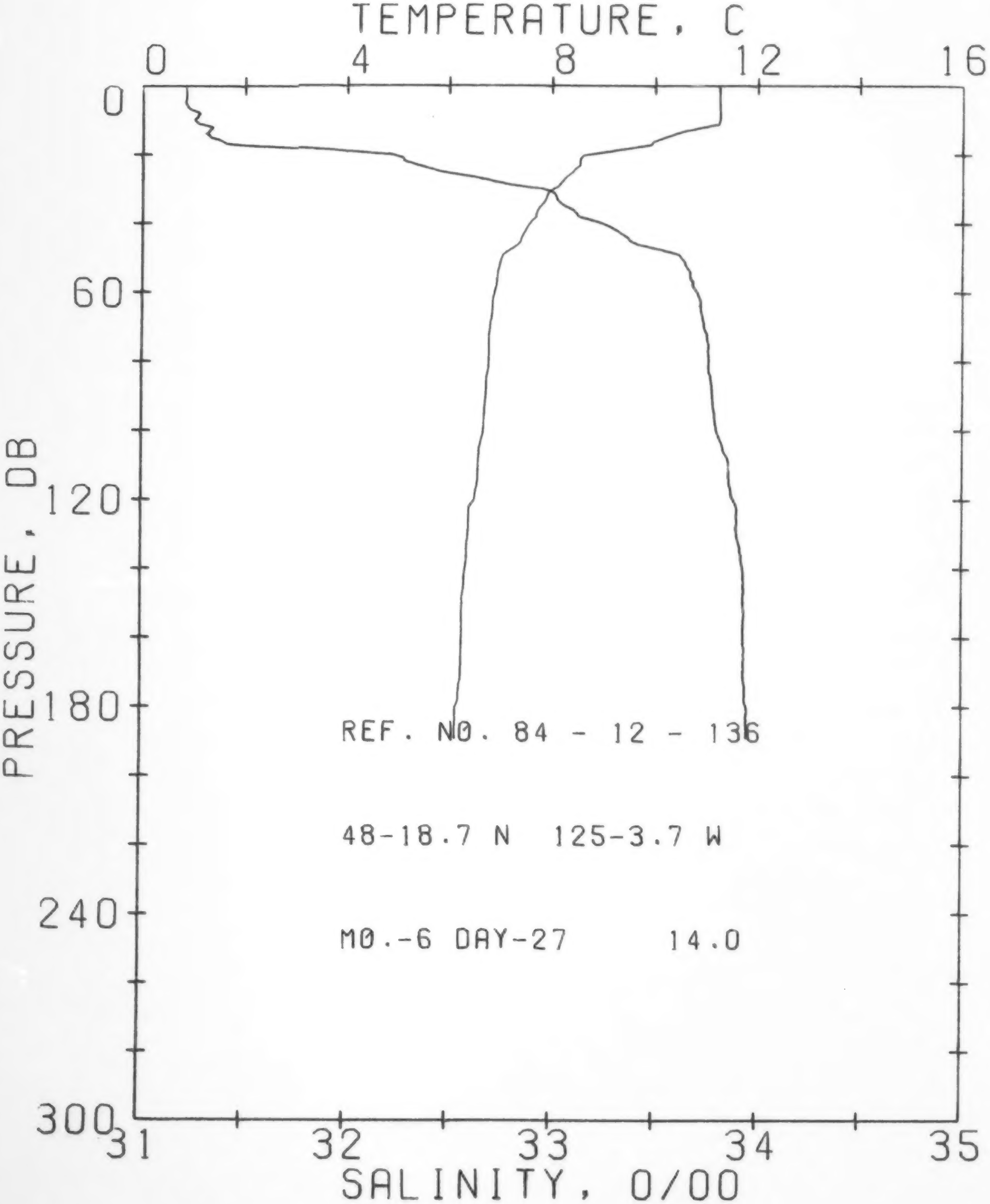
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-133          DATE 27/ 6/84
POSITION  48-17.4N, 124-51.2W    GMT  9.6       STATION R2A
RESULTS OF STP CAST    49 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                      T                 D        EN
   0    11.51    31.18        0    23.74    416.9      .00      .00   1491.
  10    11.51    31.18       10    23.74    417.1      .42      .02   1491.
  20     9.19    31.78       20    24.59    335.6      .81      .08   1484.
  30     8.55    32.36       30    25.15    283.2     1.11      .16   1482.
  50     7.75    33.19       50    25.92    210.4     1.61      .35   1480.

PRES  DEPTH        TEMP      SAL        PRES  DEPTH        TEMP      SAL

  0.               11.51    31.18        25.                8.79    32.14
  1.               11.51    31.18        26.                8.83    32.17
  2.               11.51    31.18        27.                8.82    32.20
  3.               11.52    31.17        28.                8.79    32.21
  4.               11.51    31.18        29.                8.73    32.23
  5.               11.50    31.18        30.                8.55    32.36
  6.               11.51    31.18        31.                8.43    32.45
  7.               11.51    31.18        32.                8.45    32.54
  8.               11.50    31.18        33.                8.49    32.60
  9.               11.50    31.18        34.                8.51    32.59
 10.               11.51    31.18        35.                8.48    32.65
 11.               11.48    31.19        36.                8.46    32.71
 12.               11.46    31.19        37.                8.37    32.81
 13.               11.48    31.18        38.                8.25    32.93
 14.               11.45    31.20        39.                8.13    33.03
 15.               11.31    31.21        40.                8.06    33.10
 16.               10.73    31.41        41.                7.94    33.16
 17.               10.17    31.52        42.                7.85    33.19
 18.                9.87    31.60        43.                7.77    33.20
 19.                9.40    31.72        44.                7.75    33.20
 20.                9.19    31.78        45.                7.76    33.20
 21.                9.08    31.87        46.                7.76    33.20
 22.                8.90    32.02        47.                7.73    33.20
 23.                8.81    32.09        48.                7.74    33.20
 24.                8.80    32.10
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 134
48-17.9 N 124-54.2 W
MO.-6 DAY-27 10.5

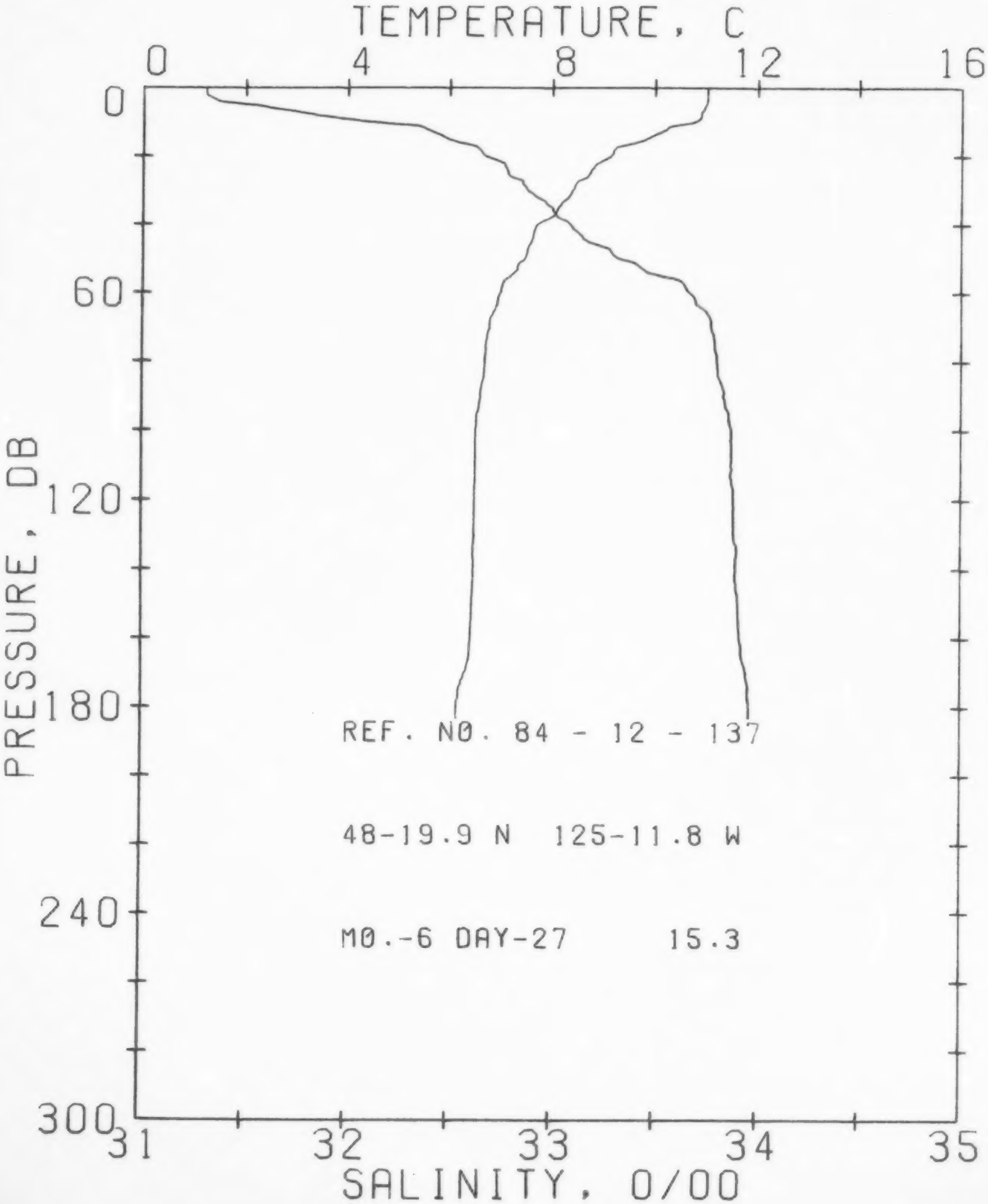
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-134        DATE 27/ 6/84
POSITION  48-17.9N, 124-54.2W   GMT 10.5      STATION R 3
RESULTS OF STP CAST   159 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0   11.56   31.04       0    23.62   427.9     .00      .00  1491.
  10   11.54   31.09      10    23.66   424.1     .43      .02  1491.
  20   10.93   31.37      20    23.99   393.4     .84      .08  1489.
  30    8.61   32.27      30    25.06   291.0    1.16      .17  1482.
  50    7.97   33.08      50    25.79   222.0    1.69      .38  1481.
  75    7.49   33.63      75    26.29   174.8    2.18      .69  1480.
 100    7.09   33.85      99    26.53   153.2    2.58     1.04  1480.
 125    7.05   33.90     124    26.57   149.7    2.96     1.48  1480.
 150    6.94   33.91     149    26.59   147.7    3.33     2.00  1480.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 135
48-17.8 N 124-59.0 W
MO.-6 DAY-27 12.2

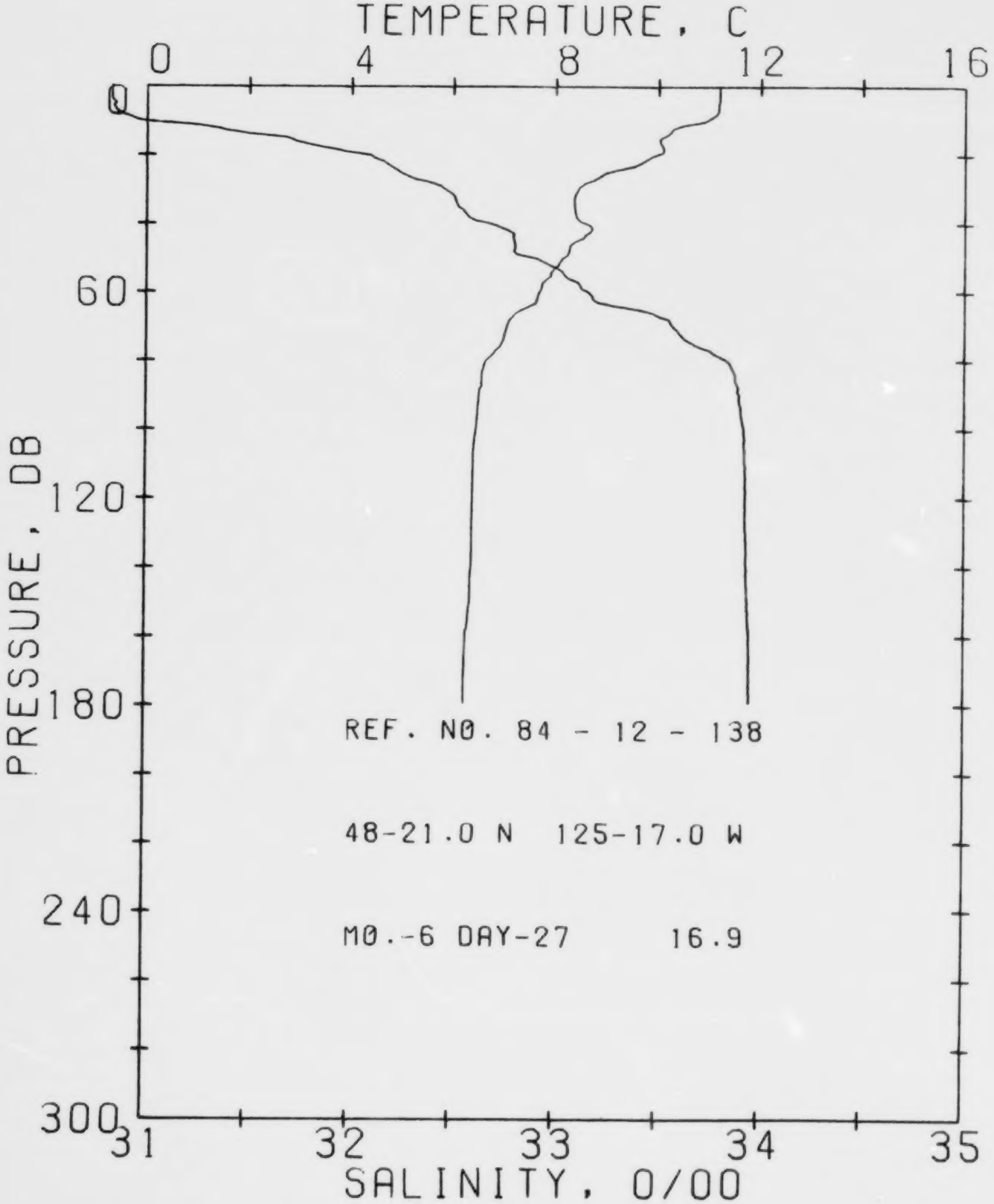
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-135         DATE 27/ 6/84
POSITION  48-17.8N, 124-59.0W   GMT 12.2        STATION R4A3
RESULTS OF STP CAST   286 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D       EN
    0   11.49   31.10        0    23.69  421.9     .00      .00   1491.
   10   11.04   31.19       10    23.83  408.2     .42      .02   1489.
   20    8.85   32.00       20    24.82  314.4     .78      .08   1483.
   30    8.49   32.38       30    25.17  280.6    1.08      .15   1482.
   50    7.88   33.02       50    25.76  225.3    1.57      .35   1481.
   75    7.10   33.73       75    26.42  162.4    2.06      .66   1479.
  100    6.87   33.85       99    26.56  150.2    2.45     1.00   1479.
  125    6.57   33.90      124    26.63  143.6    2.82     1.42   1478.
  150    6.47   33.94      149    26.68  139.2    3.17     1.92   1478.
  175    6.34   33.96      174    26.71  136.6    3.51     2.49   1478.
  200    6.20   33.97      199    26.73  134.7    3.85     3.13   1478.
  225    6.05   33.98      223    26.76  131.9    4.18     3.86   1478.
  250    5.95   33.98      248    26.78  130.8    4.51     4.65   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 136
48-18.7 N 125-3.7 W
MO.-6 DAY-27 14.0
31
32
33
34
35
SALINITY, O/OO

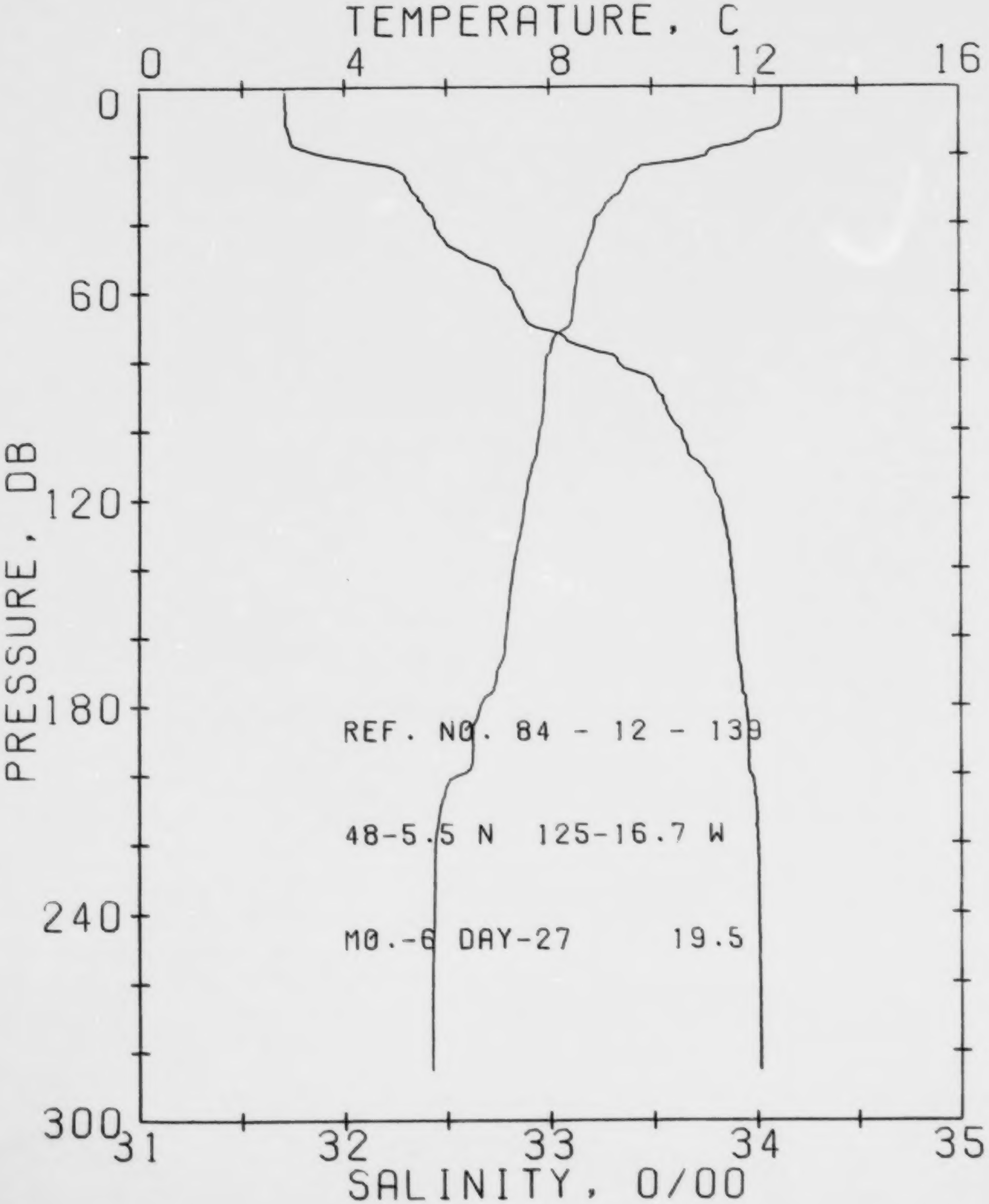
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-136        DATE 27/ 6/84
POSITION  49-18.7N, 125- 3.7W   GMT 14.0       STATION R 5
RESULTS OF STP CAST   190 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                    T                D        EN
    0   11.25   31.21       0    23.81   409.7      .00      .00   1490.
   10   11.26   31.25      10    23.84   407.5      .41      .02   1490.
   20    8.62   32.22      20    25.02   294.6      .78      .08   1482.
   30    8.02   32.96      30    25.70   230.8     1.05      .14   1481.
   50    7.03   33.63      50    26.36   168.1     1.46      .31   1478.
   75    6.78   33.76      75    26.50   155.4     1.86      .56   1478.
  100    6.68   33.80      99    26.54   151.6     2.24      .91   1478.
  125    6.40   33.90     124    26.65   141.3     2.61     1.32   1477.
  150    6.28   33.93     149    26.70   137.5     2.95     1.81   1477.
  175    6.22   33.94     174    26.71   136.3     3.30     2.38   1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 137
48-19.9 N 125-11.8 W
MO.-6 DAY-27 15.3

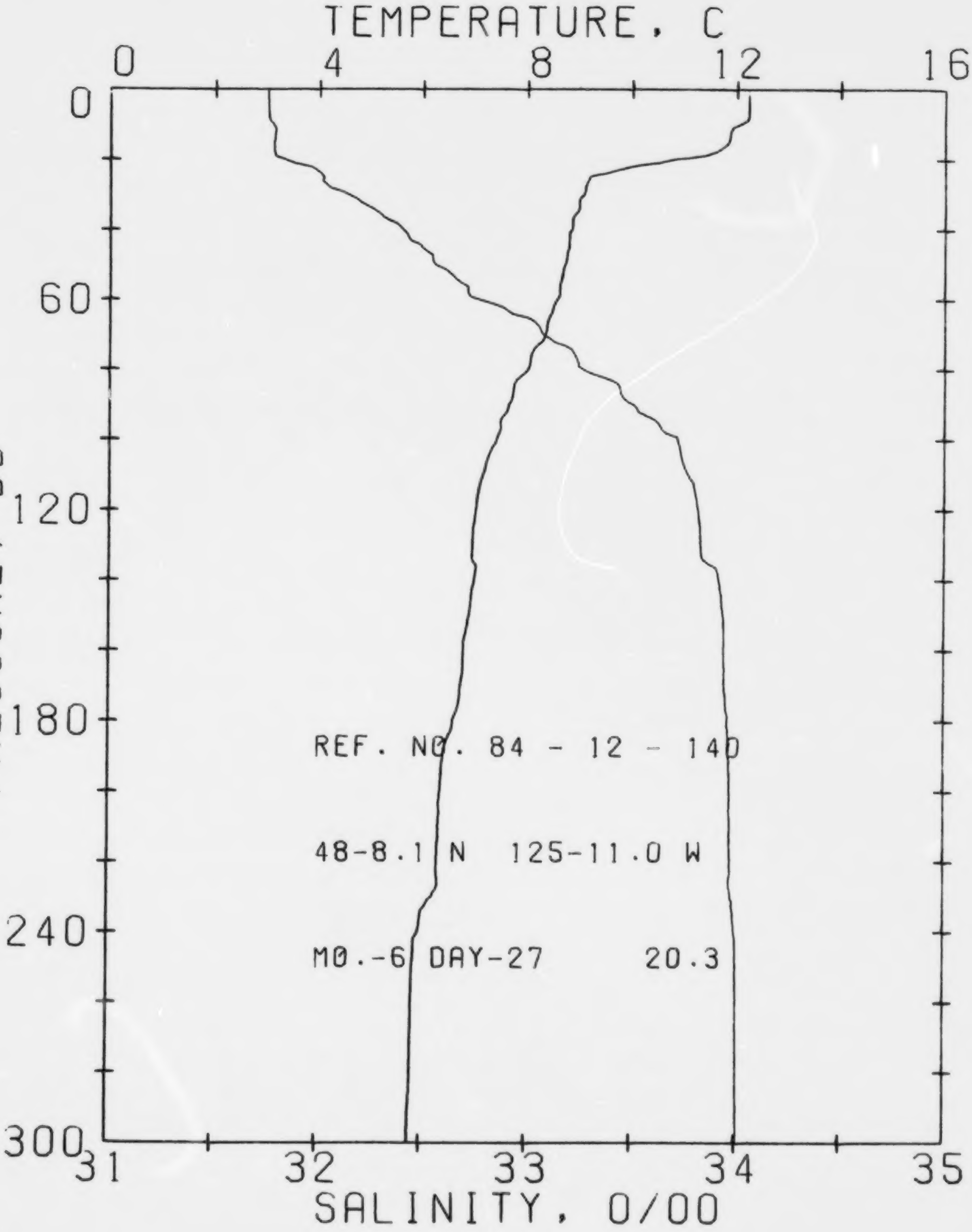
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-137          DATE 27/ 6/84
POSITION  48-19.9N, 125-11.8W   GMT 15.3       STATION R 6
RESULTS OF STP CAST   184 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   11.02   31.31       0    23.93   398.9     .00     .00   1489.
   10   10.74   32.14      10    24.62   333.2     .38     .02   1490.
   20    9.14   32.68      20    25.30   268.0     .67     .06   1485.
   30    8.40   32.89      30    25.58   242.0     .92     .13   1482.
   50    7.47   33.33      50    26.07   196.1    1.36     .30   1480.
   75    6.71   33.79      75    26.53   152.2    1.77     .56   1478.
  100    6.51   33.88      99    26.62   143.9    2.14     .89   1477.
  125    6.49   33.89     124    26.63   143.3    2.50    1.31   1478.
  150    6.45   33.91     149    26.66   141.4    2.86    1.81   1478.
  175    6.20   33.96     174    26.73   134.9    3.21    2.38   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 138
48-21.0 N 125-17.0 W
MO.-6 DAY-27 16.9
31
32
33
34
35
SALINITY, 0/00

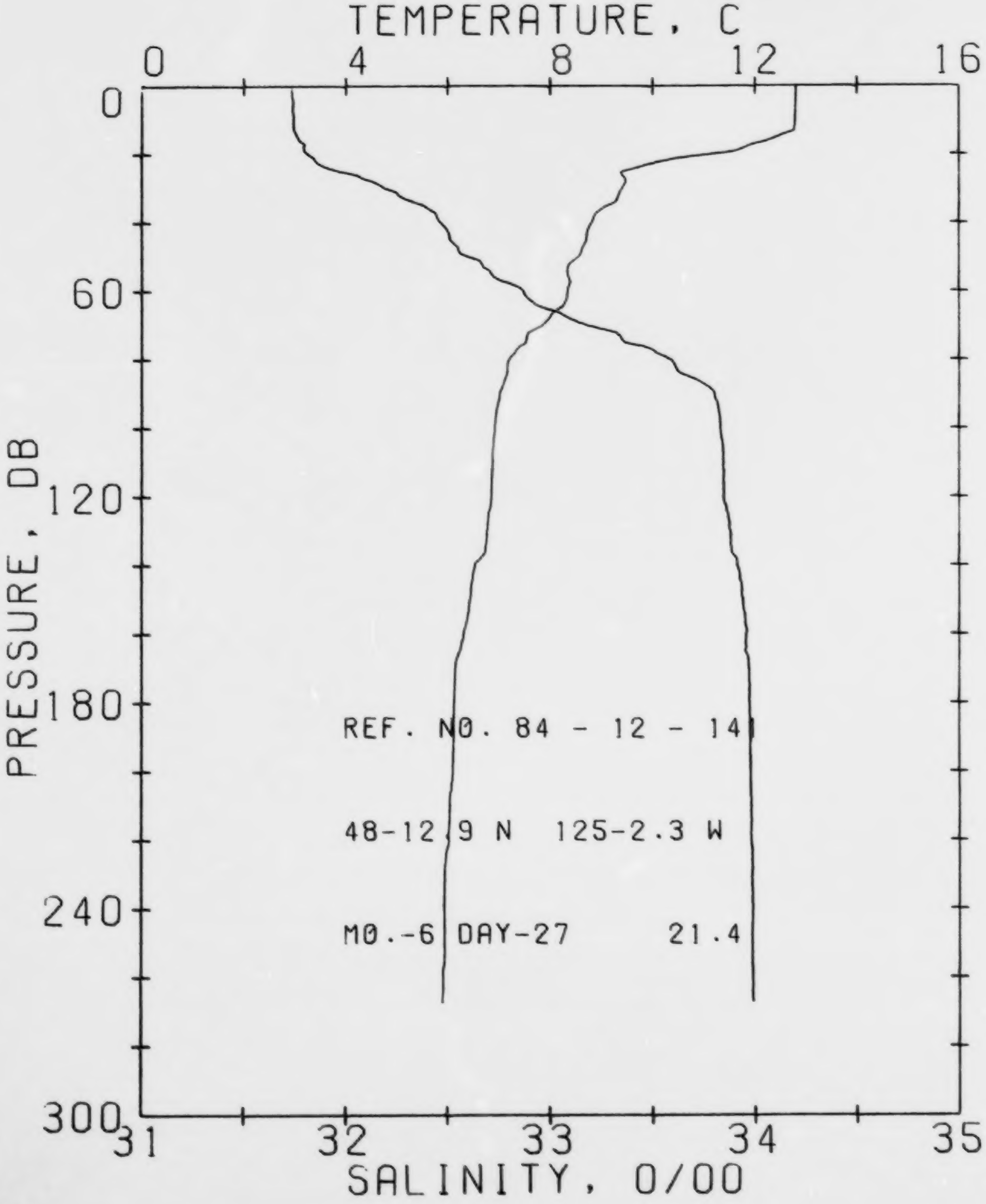
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-138          DATE 27/ 6/84
POSITION  48-21.0N, 125-17.0W   GMT 16.9       STATION R6A
RESULTS OF STP CAST   180 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D       EN
    0   11.20   30.83       0    23.53   437.2     .00      .00   1489.
   10   10.93   30.96      10    23.68   423.1     .43      .02   1489.
   20    9.92   32.10      20    24.73   323.1     .80      .08   1487.
   30    8.45   32.47      30    25.24   273.9    1.10      .15   1482.
   50    8.14   32.91      50    25.63   237.1    1.61      .36   1482.
   75    6.96   33.68      75    26.40   164.2    2.11      .68   1478.
  100    6.46   33.92      99    26.66   139.9    2.48     1.00   1477.
  125    6.40   33.93     124    26.68   138.7    2.83     1.40   1477.
  150    6.36   33.94     149    26.69   137.7    3.17     1.88   1478.
  175    6.24   33.95     174    26.72   135.9    3.51     2.45   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 139
48-5.5 N 125-16.7 W
MO.-6 DAY-27 19.5
31
32
33
34
35
SALINITY, 0/00

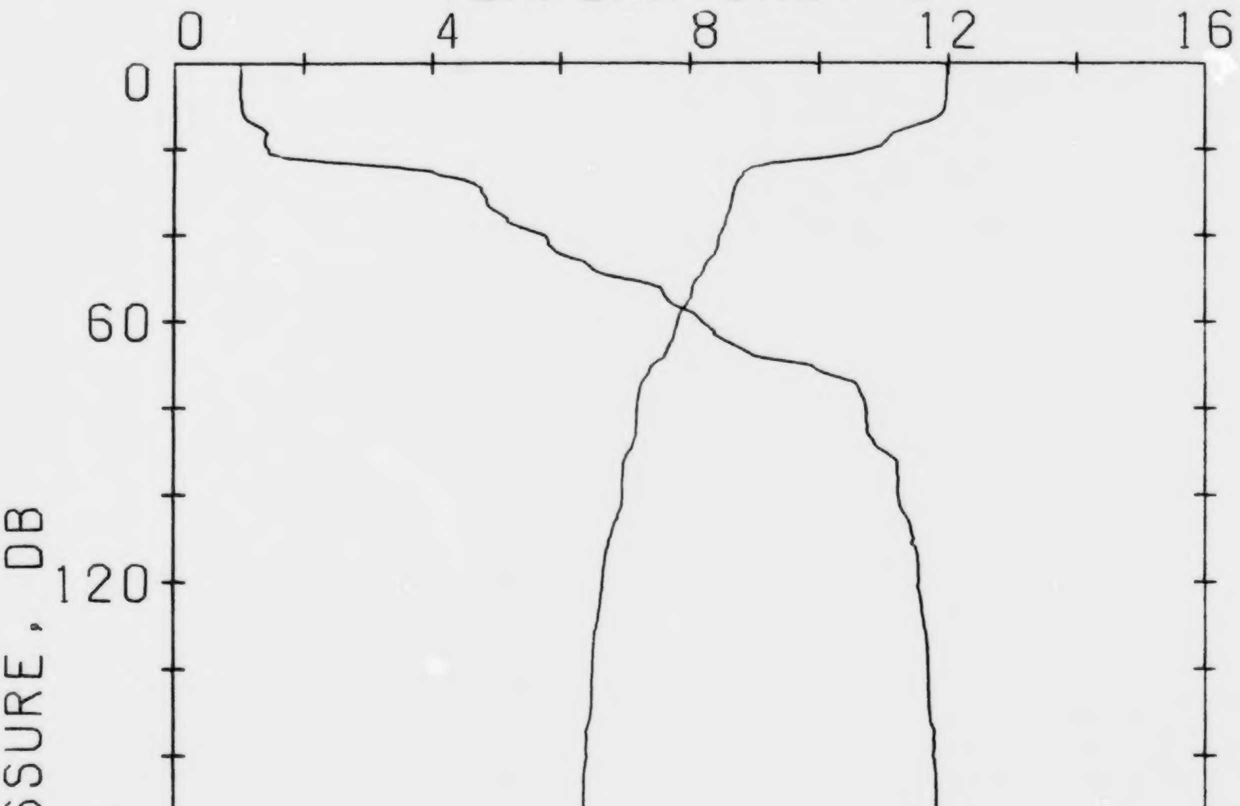
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-139        DATE 27/ 6/84
POSITION  49- 5.5N, 125-16.7W   GMT 19.5       STATION A 6
RESULTS OF STP CAST   286 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA    POT.    SOUND
                                    T                D       EN
    0   12.53   31.71       0    23.96   395.3      .00     .00    1495.
   10   12.52   31.72      10    23.97   395.1      .40     .02    1495.
   20   11.08   31.91      20    24.38   355.6      .77     .08    1491.
   30    9.42   32.33      30    24.99   298.3     1.09     .16    1485.
   50    8.67   32.62      50    25.33   266.1     1.65     .39    1483.
   75    8.04   33.13      75    25.83   219.2     2.26     .77    1482.
  100    7.79   33.64      99    26.26   178.3     2.75    1.20    1482.
  125    7.48   33.84     124    26.46   159.6     3.17    1.68    1481.
  150    7.20   33.90     149    26.55   152.0     3.55    2.23    1481.
  175    6.91   33.93     174    26.61   145.9     3.93    2.85    1480.
  200    6.20   33.98     199    26.74   133.7     4.28    3.51    1478.
  225    5.74   34.01     223    26.83   126.0     4.60    4.21    1476.
  250    5.71   34.01     248    26.83   125.9     4.91    4.97    1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 140
48-8.1 N 125-11.0 W
MO.-6 DAY-27 20.3

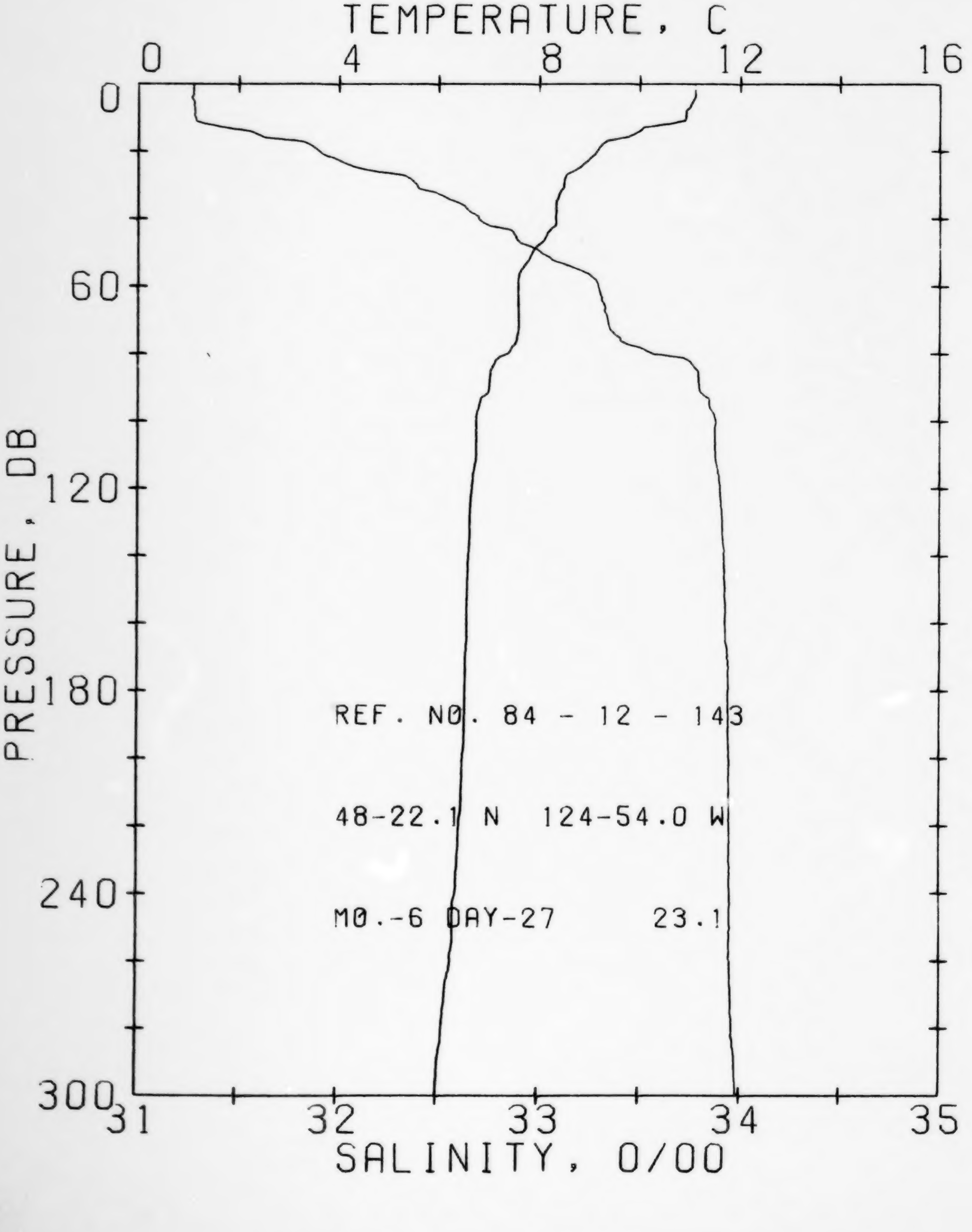
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-140          DATE 27/ 6/84
POSITION  48- 8.1N, 125-11.0W   GMT 20.3        STATION A 5
RESULTS OF STP CAST   362 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D        EN
    0   12.24    31.75        0     24.05    387.1      .00       .00    1494.
   10   12.07    31.78       10     24.10    382.6      .39       .02    1494.
   20   10.78    31.83       20     24.37    356.7      .76       .08    1490.
   30    9.08    32.14       30     24.89    307.6     1.09       .16    1484.
   50    8.72    32.56       50     25.27    271.5     1.66       .39    1483.
   75    8.09    33.22       75     25.89    213.7     2.27       .78    1482.
  100    7.41    33.72       99     26.38    167.5     2.75      1.20    1481.
  125    6.97    33.83      124     26.52    153.8     3.14      1.66    1479.
  150    6.90    33.94      149     26.62    145.2     3.52      2.18    1480.
  175    6.71    33.95      174     26.65    142.1     3.88      2.77    1479.
  200    6.36    33.97      199     26.72    136.4     4.22      3.44    1478.
  225    6.32    33.97      223     26.72    136.2     4.56      4.17    1479.
  250    5.84    34.00      248     26.81    128.1     4.89      4.96    1477.
  300    5.77    34.01      298     26.82    127.5     5.53      6.76    1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
SALINITY, 0/00
31
32
33
34
35
REF. NO. 84 - 12 - 141
48-12.9 N 125-2.3 W
MO.-6 DAY-27 21.4

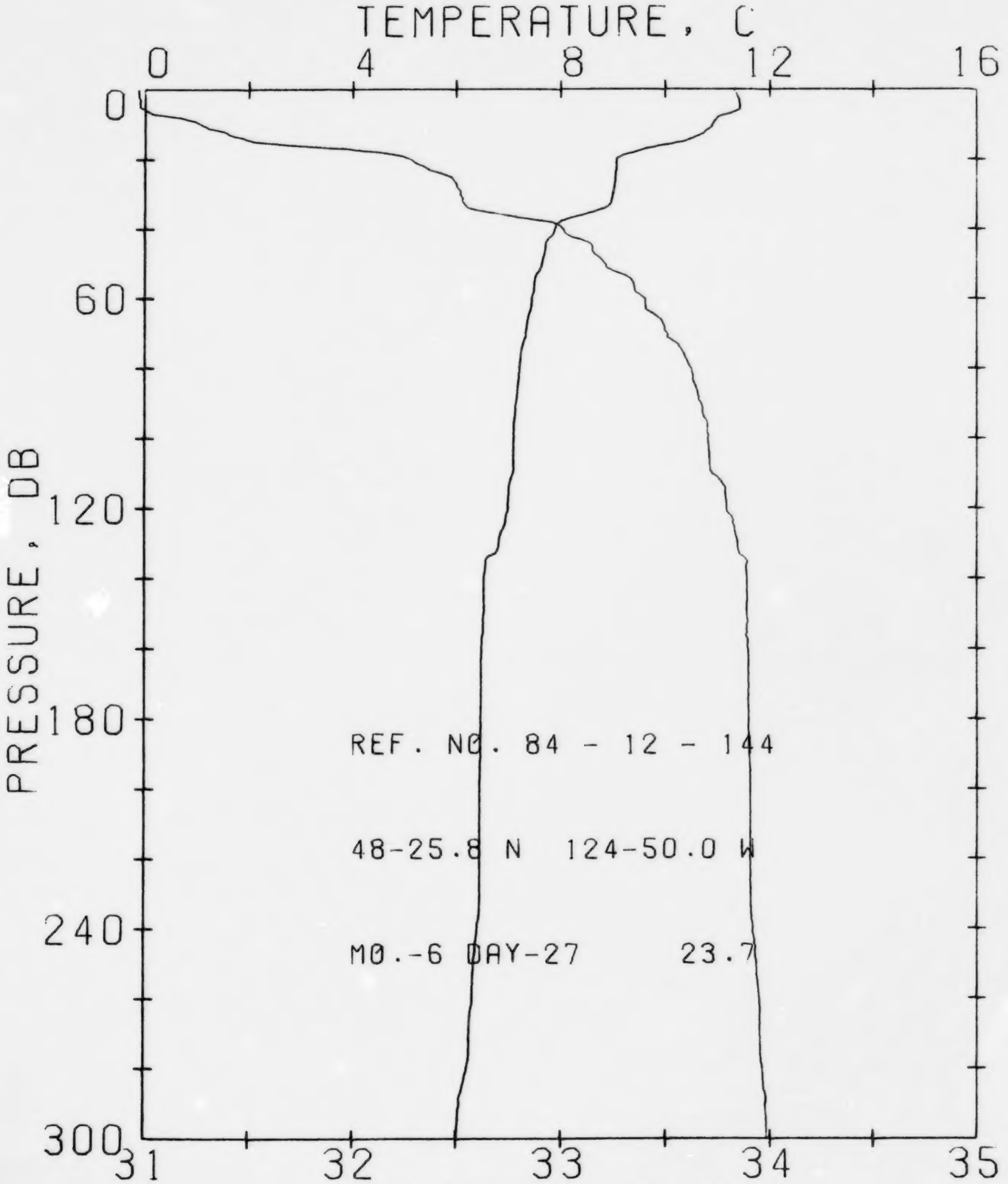
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-141        DATE 27/ 6/84
POSITION  48-12.9N, 125- 2.3W   GMT 21.4      STATION A 4
RESULTS OF STP CAST   268 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0    12.82    31.74      0    23.93   398.7     .00     .00   1496.
  10    12.80    31.74     10    23.94   398.1     .40     .02   1496.
  20    11.11    31.82     20    24.31   363.1     .79     .08   1491.
  30     9.40    32.20     30    24.89   307.8    1.11     .16   1485.
  50     8.54    32.61     50    25.34   265.2    1.68     .39   1483.
  75     7.53    33.37     75    26.08   194.8    2.26     .76   1480.
 100     6.93    33.83     99    26.53   152.6    2.67    1.12   1479.
 125     6.80    33.87    124    26.58   148.4    3.05    1.56   1479.
 150     6.44    33.94    149    26.68   138.7    3.41    2.06   1478.
 175     6.13    33.97    174    26.75   132.9    3.75    2.62   1477.
 200     6.10    33.98    199    26.75   132.7    4.08    3.26   1477.
 225     5.97    33.99    223    26.78   130.6    4.41    3.97   1477.
 250     5.94    33.99    248    26.78   130.6    4.74    4.76   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 142
48-17.8 N 124-59.0 W
MO.-6 DAY-27 22.2

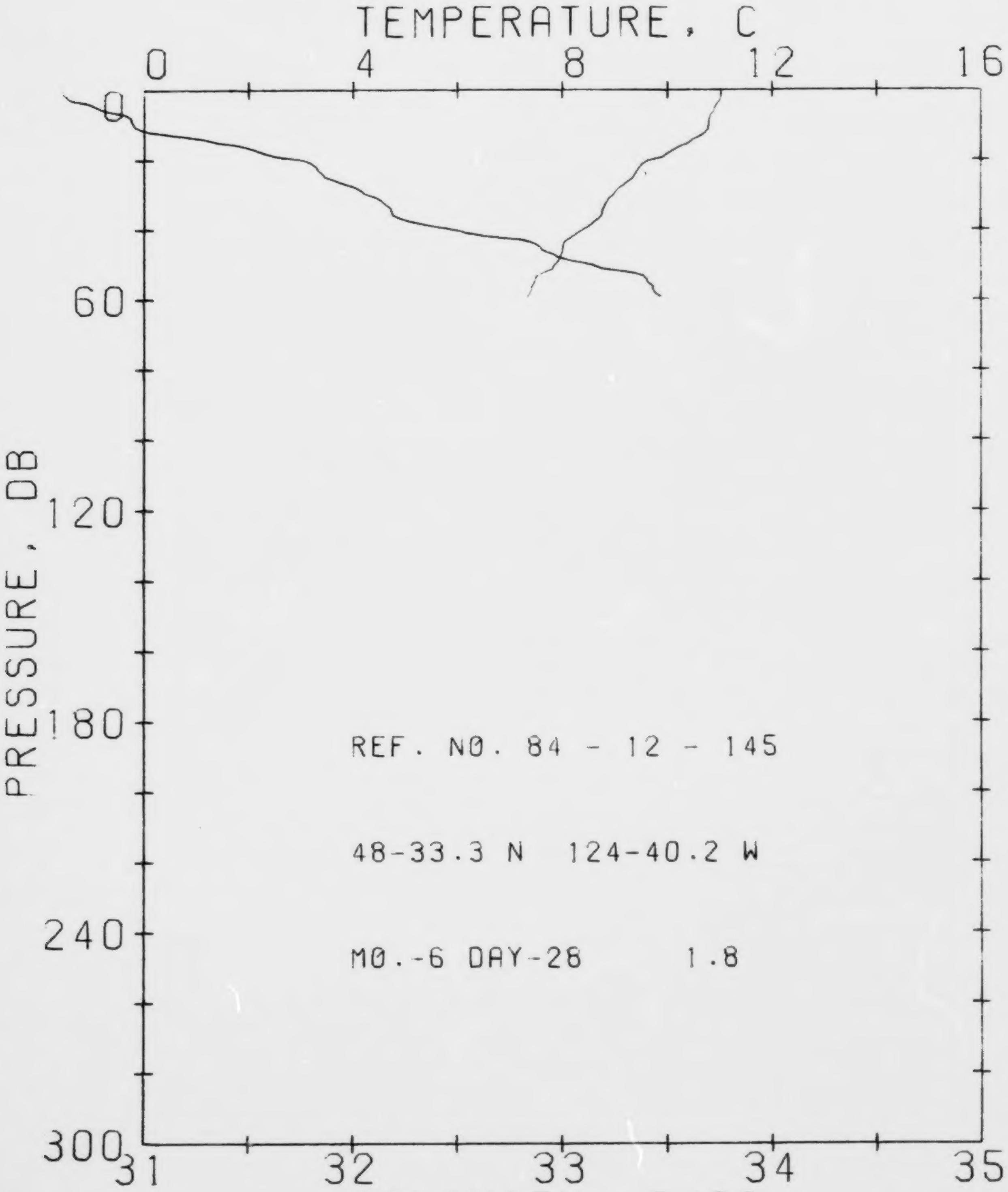
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-142          DATE 27/ 6/84
POSITION  48-17.8N, 124-59.0W    GMT 22.2       STATION A 3
RESULTS OF STP CAST   301 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D       EN
    0   11.99   31.26       0    23.71   419.1     .00     .00   1493.
   10   11.96   31.26      10    23.72   418.5     .42     .02   1493.
   20   10.74   31.37      20    24.02   390.2     .82     .08   1489.
   30    8.68   32.20      30    25.00   297.3    1.15     .17   1482.
   50    8.11   32.76      50    25.52   247.8    1.71     .39   1481.
   75    7.24   33.65      75    26.35   169.5    2.24     .73   1479.
  100    6.96   33.81      99    26.51   155.0    2.65    1.09   1479.
  125    6.61   33.90     124    26.63   144.0    3.02    1.51   1478.
  150    6.47   33.93     149    26.67   140.0    3.37    2.00   1478.
  175    6.35   33.96     174    26.70   137.1    3.71    2.58   1478.
  200    6.25   33.97     199    26.73   135.4    4.05    3.23   1478.
  225    6.04   33.98     223    26.76   131.9    4.39    3.95   1478.
  250    6.02   33.98     248    26.77   131.8    4.72    4.75   1478.
  300    5.89   33.99     298    26.79   130.0    5.38    6.59   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 143
48-22.1 N 124-54.0 W
MO.-6 DAY-27 23.1
31
32
33
34
35
SALINITY, 0/00

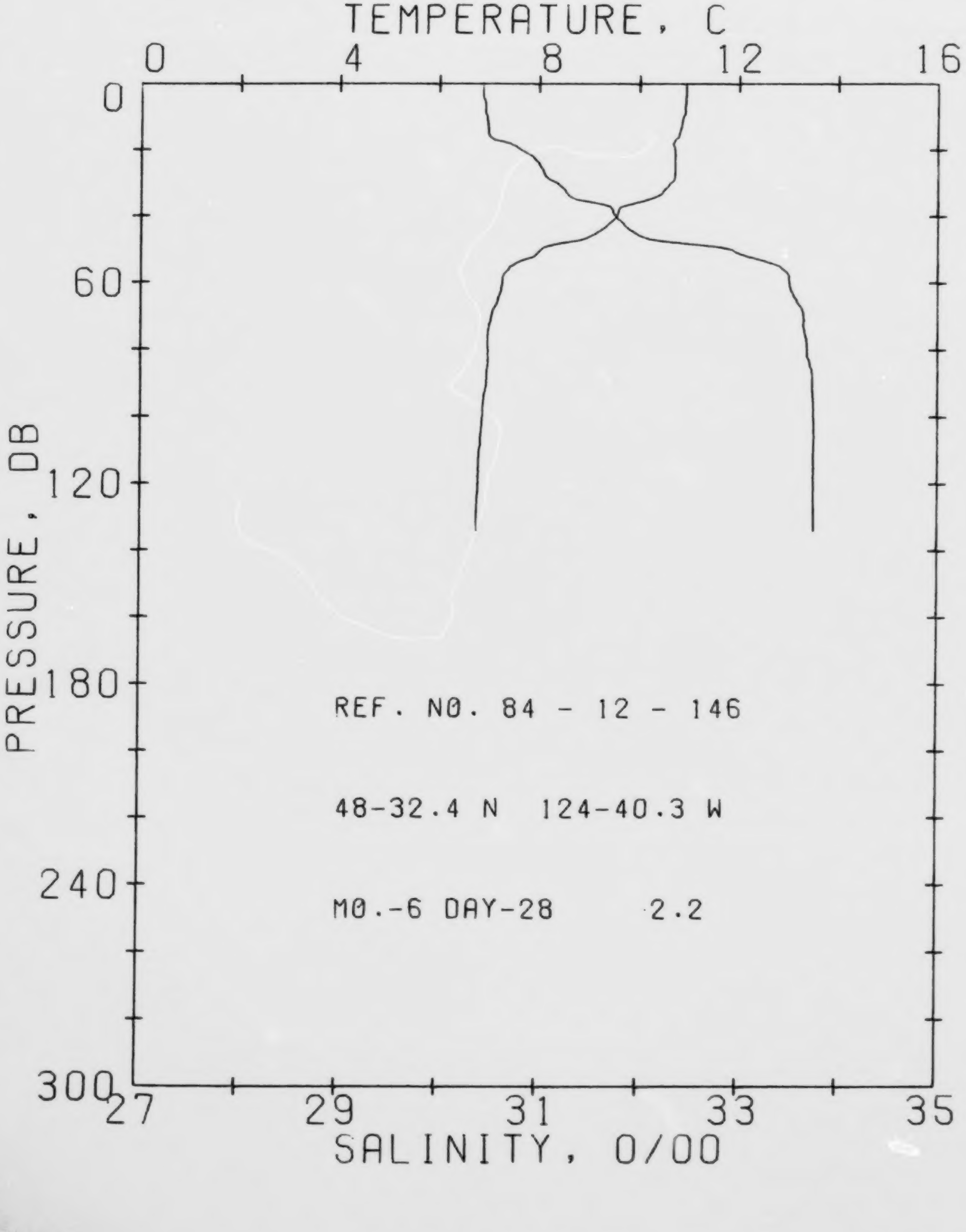
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-143          DATE 27/ 6/84
POSITION  48-22.1N, 124-54.0W   GMT 23.1       STATION A 2
RESULTS OF STP CAST   332 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   11.10   31.27       0    23.89   402.8     .00     .00   1490.
   10   10.91   31.28      10    23.92   399.4     .40     .02   1489.
   20    9.15   31.90      20    24.69   326.2     .76     .07   1484.
   30    8.48   32.39      30    25.18   280.1    1.06     .15   1482.
   50    7.86   33.01      50    25.75   225.7    1.57     .36   1481.
   75    7.55   33.40      75    26.10   192.9    2.08     .68   1480.
  100    6.75   33.88      99    26.59   146.6    2.48    1.04   1478.
  125    6.64   33.90     124    26.63   143.9    2.85    1.45   1478.
  150    6.58   33.93     149    26.65   141.7    3.20    1.95   1478.
  175    6.54   33.94     174    26.67   140.6    3.56    2.54   1479.
  200    6.49   33.95     199    26.68   139.8    3.91    3.21   1479.
  225    6.42   33.95     223    26.69   138.9    4.25    3.96   1479.
  250    6.30   33.96     248    26.71   137.4    4.60    4.80   1479.
  300    5.97   33.98     298    26.77   132.0    5.28    6.70   1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 144
48-25.8 N 124-50.0 W
MO.-6 DAY-27 23.7
31
32
33
34
35
SALINITY, 0/00

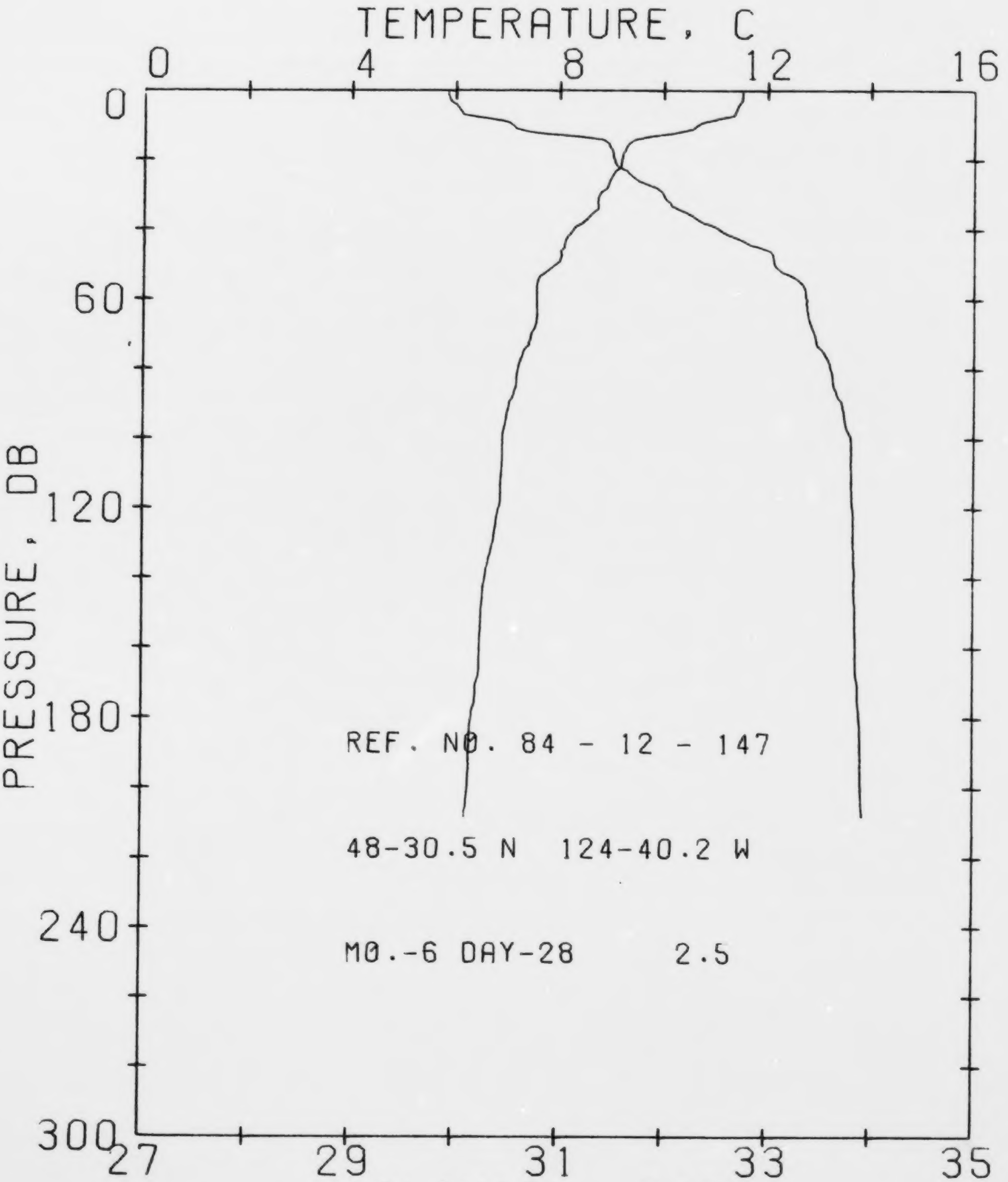
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-144          DATE 27/ 6/84
POSITION  48-25.8N, 124-50.0W   GMT 23.7        STATION A 1
RESULTS OF STP CAST   332 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                  T               D
   0   11.32   30.97       0    23.61   429.1     .00      .00  1490.
  10   10.91   31.27      10    23.91   400.3     .42      .02  1489.
  20    9.06   32.28      20    25.01   296.5     .78      .07  1484.
  30    9.00   32.51      30    25.20   278.3    1.07      .15  1484.
  50    7.63   33.21      50    25.95   207.5    1.54      .34  1480.
  75    7.24   33.58      75    26.29   175.1    2.01      .64  1479.
 100    7.09   33.70      99    26.41   164.5    2.43     1.01  1479.
 125    6.90   33.83     124    26.53   153.0    2.83     1.47  1479.
 150    6.52   33.89     149    26.63   143.7    3.20     1.98  1478.
 175    6.47   33.90     174    26.64   142.8    3.56     2.57  1478.
 200    6.44   33.91     199    26.66   142.0    3.91     3.25  1479.
 225    6.44   33.91     223    26.66   142.2    4.27     4.02  1479.
 250    6.33   33.94     248    26.69   139.2    4.62     4.88  1479.
 300    6.01   33.98     298    26.77   132.4    5.30     6.79  1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 145
48-33.3 N 124-40.2 W
MO.-6 DAY-28 1.8

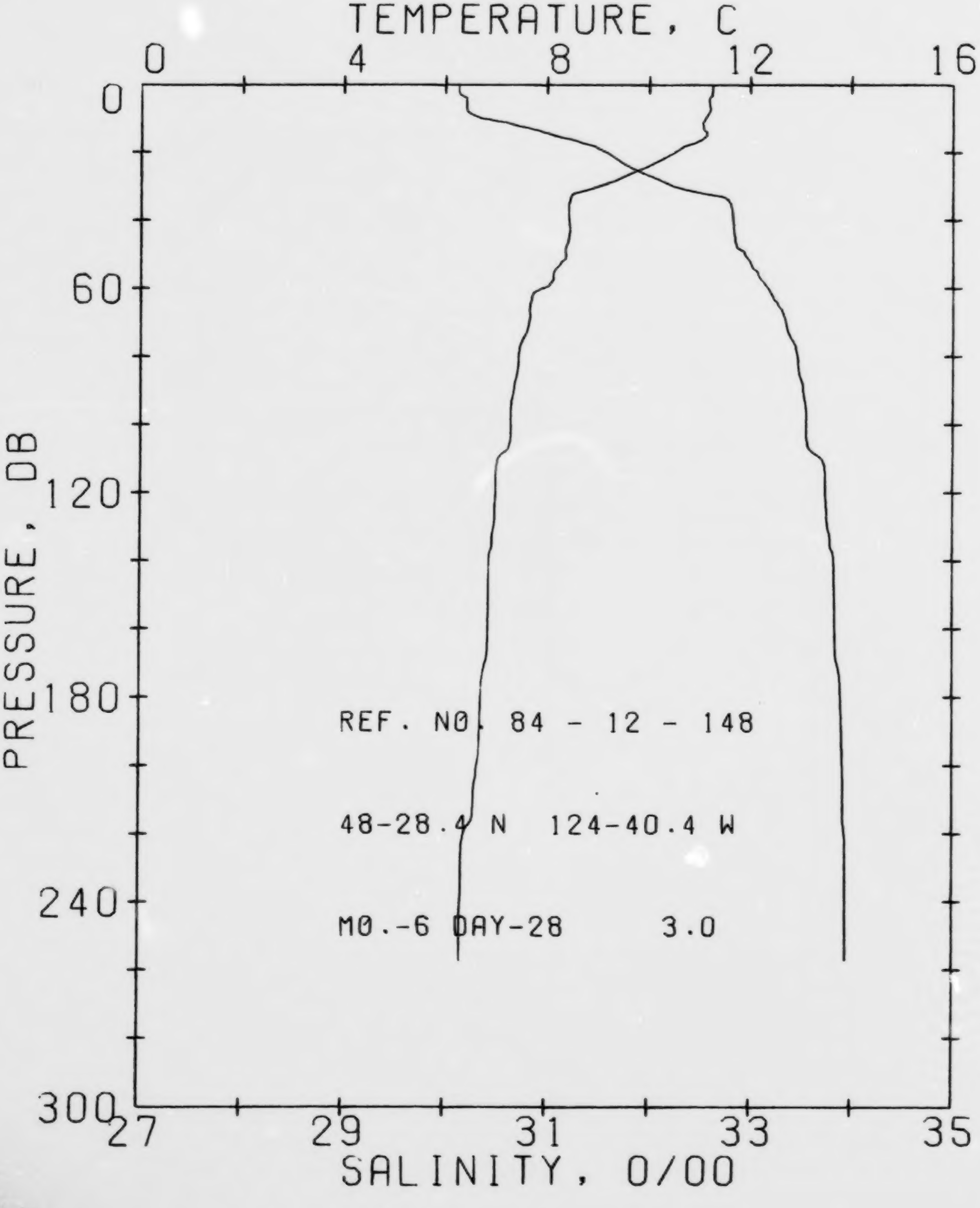
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-145          DATE 28/ 6/84
POSITION  49-33.3N, 124-40.2W   GMT  1.8       STATION P 1
RESULTS OF STP CAST     60 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                     T                D        EN
   0    11.03    30.61       0    23.38   450.7     .00      .00   1489.
  10    10.80    30.95      10    23.69   421.8     .44      .02   1488.
  20     9.64    31.76      20    24.51   343.7     .82      .08   1485.
  30     8.97    32.06      30    24.85   311.3    1.15      .16   1483.
  50     7.85    33.15      50    25.86   215.3    1.69      .38   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 146
48-32.4 N 124-40.3 W
MO.-6 DAY-28 2.2
27
29
31
33
35
SALINITY, 0/00

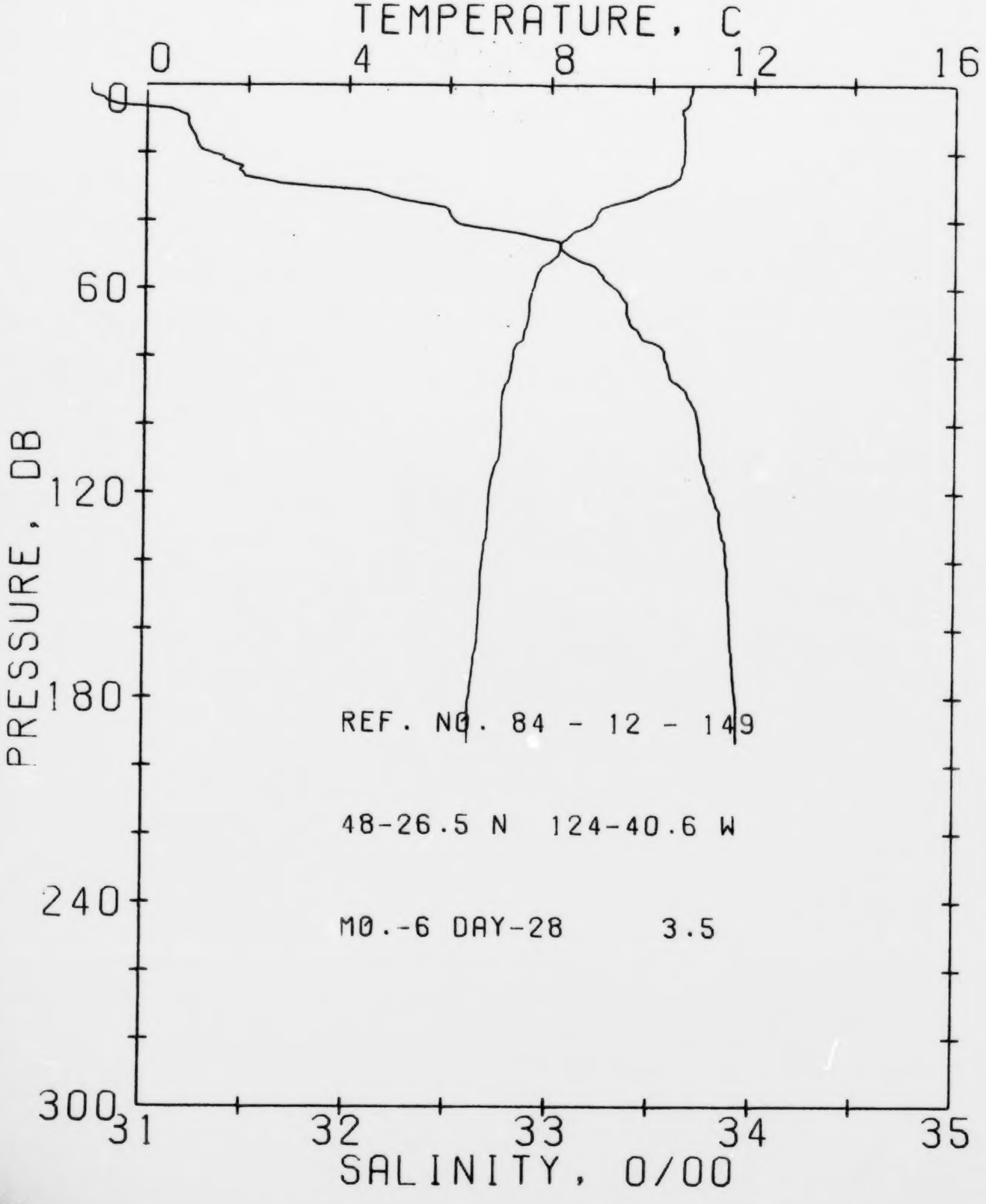
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-146         DATE 28/ 6/84
POSITION  48-32.4N, 124-40.3W   GMT  2.2       STATION P 2
RESULTS OF STP CAST   135 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D       EN
   0    10.93    30.44       0    23.27   461.8     .00      .00    1488.
  10    10.87    30.48      10    23.31   457.7     .46      .02    1488.
  20    10.71    30.82      20    23.60   430.1     .91      .09    1488.
  30    10.62    31.19      30    23.90   401.8    1.33      .20    1488.
  50     8.04    32.93      50    25.67   233.7    2.01      .47    1481.
  75     6.98    33.67      75    26.40   165.1    2.46      .76    1478.
 100     6.87    33.76      99    26.48   157.5    2.87     1.12    1479.
 125     6.78    33.76     124    26.49   156.6    3.26     1.57    1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 12 - 147
48-30.5 N 124-40.2 W
MO.-6 DAY-28 2.5
27
29
31
33
35
SALINITY, 0/00

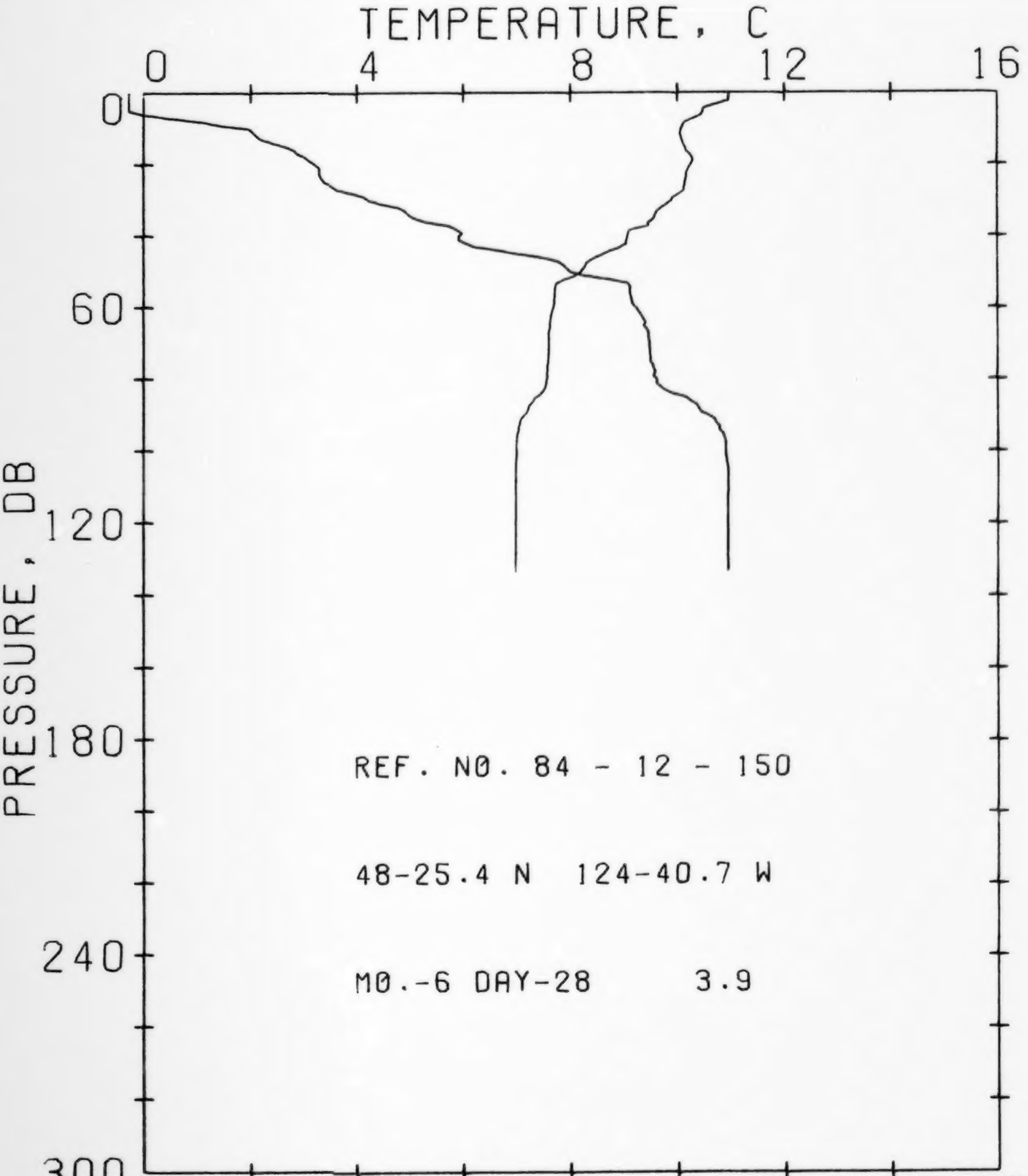
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-147          DATE 28/ 6/84
POSITION  48-30.5N, 124-40.2W   GMT  2.5       STATION P 3
RESULTS OF STP CAST   209 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA     DELTA     POT.    SOUND
                                    T                 D        EN
   0    11.51    29.93      0    22.77    509.0      .00       .00   1489.
  10    10.65    30.56     10    23.41    448.2      .49       .02   1487.
  20     9.19    31.53     20    24.40    354.1      .87       .08   1483.
  30     8.76    32.00     30    24.84    312.7     1.21       .17   1482.
  50     7.92    33.08     50    25.80    221.3     1.74       .38   1481.
  75     7.31    33.55     75    26.26    178.0     2.23       .69   1480.
 100     6.91    33.82     99    26.52    153.6     2.64      1.05   1479.
 125     6.79    33.84    124    26.55    150.8     3.02      1.49   1479.
 150     6.52    33.86    149    26.61    145.9     3.39      2.01   1478.
 175     6.42    33.89    174    26.65    142.6     3.75      2.61   1478.
 200     6.28    33.92    199    26.69    138.9     4.10      3.28   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
27
29
31
33
35
SALINITY, 0/00
REF. NO. 84 - 12 - 148
48-28.4 N 124-40.4 W
MO.-6 DAY-28 3.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-148        DATE 28/ 6/84
POSITION  48-28.4N, 124-40.4W   GMT  3.0      STATION P 4
RESULTS OF STP CAST   258 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    11.25    30.13       0    22.98   489.6     .00     .00   1489.
  10    11.10    30.36      10    23.18   470.6     .48     .02   1489.
  20    10.50    31.59      20    24.24   369.6     .90     .09   1488.
  30     8.99    32.25      30    24.99   297.8    1.24     .17   1484.
  50     8.38    32.95      50    25.63   237.3    1.74     .38   1483.
  75     7.52    33.42      75    26.12   191.1    2.26     .71   1480.
 100     7.29    33.55      99    26.26   178.1    2.72    1.12   1480.
 125     6.98    33.76     124    26.47   159.0    3.14    1.59   1479.
 150     6.86    33.84     149    26.55   151.6    3.52    2.13   1479.
 175     6.74    33.89     174    26.61   146.6    3.90    2.76   1479.
 200     6.64    33.92     199    26.64   143.4    4.26    3.45   1479.
 225     6.34    33.94     223    26.70   138.4    4.62    4.22   1479.
 250     6.31    33.95     248    26.71   138.0    4.96    5.05   1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 12 - 149
48-26.5 N 124-40.6 W
MO.-6 DAY-28 3.5
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-149        DATE 28/ 6/84
POSITION  48-26.5N, 124-40.6W   GMT  3.5      STATION P 5
RESULTS OF STP CAST   194 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
    0   10.79   30.73       0    23.52   437.9     .00     .00   1488.
   10   10.62   31.21      10    23.92   399.9     .42     .02   1488.
   20   10.64   31.32      20    24.00   392.2     .82     .08   1488.
   30   10.14   31.85      30    24.50   345.0    1.20     .18   1487.
   50    8.15   33.09      50    25.78   223.6    1.74     .39   1482.
   75    7.47   33.46      75    26.16   187.1    2.24     .71   1480.
  100    7.06   33.73      99    26.44   161.7    2.66    1.09   1479.
  125    6.80   33.84     124    26.56   150.6    3.06    1.54   1479.
  150    6.65   33.88     149    26.61   145.9    3.43    2.06   1479.
  175    6.49   33.92     174    26.66   141.8    3.79    2.65   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 12 - 150
48-25.4 N 124-40.7 W
MO.-6 DAY-28 3.9

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-12-150          DATE 28/ 6/84
POSITION  48-25.4N, 124-40.7W   GMT  3.9       STATION P 6
RESULTS OF STP CAST   134 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
    0   10.97    30.93      0    23.64   425.9     .00      .00   1489.
   10   10.07    31.50     10    24.24   369.4     .41      .02   1486.
   20   10.24    31.80     20    24.44   349.9     .77      .08   1488.
   30    9.88    32.06     30    24.70   325.3    1.11      .16   1487.
   50    8.19    33.00     50    25.70   230.8    1.67      .39   1482.
   75    7.59    33.37     75    26.08   195.2    2.17      .70   1480.
  100    6.99    33.72     99    26.44   161.5    2.61     1.10   1479.
  125    6.98    33.73    124    26.45   161.0    3.01     1.56   1479.
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-  2       DATE 19/ 6/84   GMT 19.0
POSITION   48-34.0 N,  124-40.0 W                  STATION P001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   5.918
  10                   6.016
  20                   5.209
  30                   4.537
  47                   3.848


OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-  5       DATE 19/ 6/84   GMT 21.1
POSITION   48-28.2 N,  124-40.2 W                  STATION P004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   5.954
  10                   5.608
  20                   4.594
  30                   3.995
  50                   3.028
  75                   2.893
 100                   2.516
 150                   2.363
 200                   2.287
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 7 DATE 19/ 6/84 GMT 22.0
POSITION 48-25.2 N, 124-40.2 W STATION P006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			4.834
20			4.539
50			3.216
75			2.689
100			2.540

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 8 DATE 20/ 6/84 GMT 1.9
POSITION 48- 3.8 N, 124-47.3 W STATION S001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.783
10			4.047
20			3.494
30			2.745

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-  9      DATE 20/ 6/84   GMT  2.5
POSITION    48- 5.0 N,  124-53.4 W                  STATION S002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    8.152
   10                    8.434
   20                    5.319
   30                    3.962
   50                    2.859



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 12      DATE 20/ 6/84   GMT  4.3
POSITION    48- 7.5 N,  125- 5.2 W                  STATION S004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    8.955
   10                    6.717
   20                    5.594
   30                    4.499
   50                    3.729
   75                    2.752
  100                    2.583
  125                    2.507
  150                    2.156
  200                    2.146
  250                    1.836
  295            33.995  1.676
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 13      DATE 20/ 6/84   GMT  5.0
POSITION   48- 8.8 N,  125-11.1 W                     STATION S005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

  10                     5.891
  20                     5.253
  30                     4.498
  50                     3.891
  75                     3.249
 125                     2.355
 150                     1.979
 200                     1.864
 250                     1.748
 300                     1.682
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 14      DATE 20/ 6/84   GMT  5.9
POSITION   48- 9.9 N,  125-16.8 W                     STATION S006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     6.685
  10                     6.570
  20                     6.574
  30                     6.074
  50                     5.164
  75                     4.032
 100                     2.868
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 18       DATE 20/ 6/84   GMT  8.8
POSITION   48-26.1 N,  125-16.7 W                  STATION B005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    7.788
   10                    7.412
   20                    6.501
   30                    4.639
   50                    3.640
   75                    3.097
  100                    2.477
  125                    2.138
  150                    2.047
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 20       DATE 20/ 6/84   GMT 10.4
POSITION   48-34.5 N,  125- 5.9 W                  STATION B003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    9.725
   10                    9.118
   20                    5.604
   30                    5.003
   50                    3.722
   75                    3.180
  100                    2.671
  122                    2.400
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 21      DATE 20/ 6/84   GMT 11.1
POSITION   48-38.0 N,  125- 1.6 W                 STATION B002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   10                    6.424
   20                    5.170
   30                    4.587
   50                    3.637
   60                    3.036
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 22      DATE 20/ 6/84   GMT 11.6
POSITION   48-40.0 N,  125-  .0 W                 STATION B001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    6.924
   10                    4.939
   20                    4.222
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 23        DATE 20/ 6/84    GMT 13.5
POSITION    48-46.7 N,  125-18.8 W                    STATION C001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    6.245
   10                    4.301
   50                    3.312
   75                    3.094
   85                    3.000
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 24        DATE 20/ 6/84    GMT 14.1
POSITION    48-43.4 N,  125-21.6 W                    STATION C002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   10                    5.420
   20                    4.096
   30                    3.797
   50                    3.209
   75                    3.111
  102                    2.803
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 25      DATE 20/ 6/84   GMT 14.9
POSITION   48-39.5 N,   125-26.9 W                  STATION C003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

  10                     5.711
  20                     4.195
  30                     3.726
  50                     3.486
  60                     3.210
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 26      DATE 21/ 6/84   GMT  3.1
POSITION   49- 6.0 N,  126- 1.0 W                   STATION E001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     7.503
  10                     7.231
  20                     4.433
  30                     3.860
  45                     3.788
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 27      DATE 21/ 6/84   GMT  3.6
POSITION   49- 4.1 N,  126- 4.1 W                  STATION E002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   8.265
  10                   8.187
  20                   6.109
  30                   6.093
  50                   4.132
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 28      DATE 21/ 6/84   GMT  4.4
POSITION   49-  .4 N,  126- 9.6 W                  STATION E003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   7.634
  10                   7.627
  20                   7.250
  30                   5.819
  50                   5.330
  75                   2.848
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 30       DATE 21/ 6/84   GMT  5.7
POSITION   48-52.7 N,  126-20.8 W                    STATION E005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                  7.199
   10                  6.867
   20                  6.330
   30                  5.770
   50                  5.036
   75                  4.227
  100                  2.778
  125                  2.579
  150                  3.536
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 31       DATE 21/ 6/84   GMT  6.5
POSITION   48-48.7 N,  126-26.5 W                    STATION E006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                  6.517
   10                  6.562
   20                  7.185
   30                  6.552
   50                  6.300
   75                  5.184
  100                  2.977
  125                  3.072
  150                  2.673
  200                  2.234
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 32       DATE 21/ 6/84   GMT  7.9
POSITION    48-44.3 N,  126-32.0 W                   STATION E007
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   10                    6.578
   20                    7.252
   30                    6.536
   50                    6.429
   75                    4.893
  100                    3.816
  125                    3.342
  150                    3.155
  200                    3.028
  300                    1.968
  400                    1.316
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 35       DATE 23/ 6/84   GMT  3.8
POSITION    49-51.3 N,  128-14.6 W                   STATION M005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    5.792
   10                    6.447
   20                    6.469
   30                    7.046
   50                    7.060
   75                    7.033
  100                    4.535
  125                    4.069
  150                    3.622
  200                    3.089
  300                    1.942
  500                     .772
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 37      DATE 23/ 6/84   GMT  6.5
POSITION   49-58.9 N,  128- 1.6 W                STATION M003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                  7.562
   10                  7.575
   20                  5.943
   30                  5.129
   50                  4.666
   75                  3.934
  100                  3.589
  125                  3.316
  160                  2.784
  205                  2.357
  303                  1.550
  500                   .758
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 38      DATE 23/ 6/84   GMT  7.7
POSITION   50- 2.4 N,  127-55.1 W                STATION M002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                  7.289
   10                  7.370
   20                  6.560
   30                  4.471
   50                  4.130
   75                  3.312
  100                  2.973
  125                  2.680
  150                  2.583
  200                  2.437
  240                  2.118
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 39       DATE 23/ 6/84   GMT  8.4
POSITION    50- 4.0 N,  127-52.8 W                  STATION M001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   7.013
  10                   5.872
  20                   4.798
  30                   4.714
  50                   4.460
  70                   3.287
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 42       DATE 23/ 6/84   GMT 12.6
POSITION    49-53.9 N,  127-21.7 W                  STATION K002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   7.387
  10                   7.201
  20                   5.529
  30                   4.962
  50                   4.139
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 44       DATE 23/ 6/84    GMT 13.3
POSITION   49-46.9 N,  127-33.6 W                  STATION K004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     7.731
  10                     7.598
  20                     6.792
  30                     5.800
  50                     3.642
  75                     2.965
 100                     2.807
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 45       DATE 23/ 6/84    GMT 14.1
POSITION   49-43.3 N,  127-39.6 W                  STATION K005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     7.018
  10                     6.992
  20                     6.014
  30                     6.106
  50                     5.734
  75                     4.146
 100                     3.663
 125                     3.084
 150                     2.921
 200                     3.504
 300                     1.764
 500                     1.094
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 47 DATE 23/ 6/84 GMT 16.3
POSITION 49-35.7 N, 127-52.1 W STATION K007
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.442
10			6.479
20			6.422
30			6.614
50			5.354
75			6.258
100			4.941
124			3.996
150			3.253
200			3.157
300			2.135
510			.866

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 51 DATE 24/ 6/84 GMT 2.7
POSITION 49-42.6 N, 127- 5.3 W STATION J002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.655
10			7.018
20			4.830
30			4.719
50			4.139
75			3.472

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 52 DATE 24/ 6/84 GMT 3.4
POSITION 49-39.1 N, 127-11.1 W STATION J003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
50			3.838
75			3.049
100			2.733
125			2.442

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 53 DATE 24/ 6/84 GMT 4.1
POSITION 49-35.5 N, 127-16.9 W STATION J004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.751
10			6.966
20			6.619
30			5.916
50			4.024
75			3.441
100			3.027
125			2.933
150			2.836

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 55       DATE 24/ 6/84   GMT  6.6
POSITION   49-32.2 N,  126-47.4 W                     STATION H002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   7.784
  10                   7.749
  20                   4.964
  30                   4.784
  40                   4.728
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 56       DATE 24/ 6/84   GMT  7.4
POSITION   49-28.7 N,  126-53.0 W                     STATION H003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   7.618
  10                   7.608
  20                   5.538
  30                   4.868
  50                   3.505
  75                   3.039
  90                   2.736
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 58       DATE 24/ 6/84   GMT  8.2
POSITION    49-21.3 N,  127- 4.4 W                   STATION H005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    7.410
   10                    7.508
   20                    5.668
   30                    5.075
   50                    4.564
   75                    3.209
  100                    3.119
  125                    3.188
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 60       DATE 24/ 6/84   GMT 10.7
POSITION    49-13.7 N,  127-16.3 W                   STATION H007
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    6.586
   10                    6.572
   20                    6.819
   30                    6.418
   50                    6.454
   75                    5.550
  100                    3.870
  125                    3.500
  150                    3.312
  200                    3.029
  300                    1.853
  500                     .932
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 62 DATE 24/ 6/84 GMT 13.1
POSITION 49- 5.6 N, 127-28.7 W STATION H009
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
50			6.602
100			4.318
200			3.248
500			1.191

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 63 DATE 24/ 6/84 GMT 15.6
POSITION 48-46.0 N, 127-40.0 W STATION LP04
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.854	6.460
10		31.939	6.378
20		31.939	6.412
30		32.175	6.781
50		32.316	6.493
75			6.139
100		33.046	4.607
150		33.721	3.250
200		33.894	3.209
300			2.294
500		34.079	.925
1200		34.414	.380

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 65      DATE 24/ 6/84   GMT 20.3
POSITION   49- 3.5 N,  127- 1.0 W                  STATION G006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL      OXY

   0                     6.675
  10                     6.667
  20                     6.545
  30                     6.603
  50                     6.434
  75                     5.464
 100                     3.819
 125                     3.387
 150                     3.293
 200                     3.095
 300                     1.956
 500    4.78   34.100     .860
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 66      DATE 24/ 6/84   GMT 22.2
POSITION   49- 7.5 N,  126-55.2 W                  STATION G005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL      OXY

   0                     7.211
  10                     7.167
  20                     6.632
  30                     6.431
  50                     5.399
  75                     4.694
 100                     3.580
 125                     3.366
 200    6.26             2.413
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 67 DATE 25/ 6/84 GMT .2
POSITION 49-11.3 N, 126-49.4 W STATION G004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.546
10			7.030
20			6.037
30			5.601
50			4.299
75			3.440
100			2.680
141			3.963

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 69 DATE 25/ 6/84 GMT 1.7
POSITION 49-15.0 N, 126-43.7 W STATION G003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.668
10			7.660
20			4.943
30			4.697
50			3.865
75			3.183

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 71      DATE 25/ 6/84   GMT  2.9
POSITION   49-18.7 N,  126-38.1 W                   STATION G002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP     SAL     OXY

   0                    7.205
  10                    6.810
  20                    5.737
  30                    5.492
  50                    3.419
  75                    3.238
 100                    2.556
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 72      DATE 25/ 6/84   GMT  3.9
POSITION   49-20.5 N,  126-35.0 W                   STATION G001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP     SAL     OXY

   0                    7.679
  10                    7.069
  20                    6.122
  30                    4.645
  50                    3.855
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 74 DATE 25/ 6/84 GMT 6.2
POSITION 49-13.0 N, 126-16.5 W STATION F002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			9.190
10			5.179
20			3.929
30			4.104
50			3.983

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 76 DATE 25/ 6/84 GMT 7.5
POSITION 49- 5.9 N, 126-27.5 W STATION F004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			8.189
10			7.535
20			5.597
30			5.036
50			4.118
75			3.163
100			2.643
125		33.895	2.584

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 77 DATE 25/ 6/84 GMT 8.3
POSITION 49- 2.0 N, 126-33.1 W STATION F005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.983
10			8.069
20			6.105
30			5.983
50			4.670
100			3.169
125			2.512
145		33.935	2.498

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 78 DATE 25/ 6/84 GMT 9.1
POSITION 48-58.0 N, 126-38.9 W STATION F006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
10			7.005
20			5.919
30			6.329
50			6.089
75			5.226
100			3.501
125			3.230
150			2.634
200			2.181
250			1.809
300			1.418
456		34.068	1.066

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 80       DATE 25/ 6/84   GMT 11.1
POSITION   48-50.0 N,  126-50.6 W                  STATION F008
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP     SAL     OXY

   0                    6.691
  10                    6.750
  20                    6.806
  30                    6.554
  50                    5.017
  75                    6.147
 100                    3.805
 125                    3.493
 150                    3.216
 200                    2.850
 300                    2.031
 500                     .884
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 84       DATE 25/ 6/84   GMT 15.9
POSITION   48-44.6 N,  126-32.4 W                  STATION E007
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP     SAL     OXY

   0                    6.822
  10                    6.897
  20                    6.777
  30                    6.653
  50                    6.308
  75                    3.556
 100                    3.327
 125                    3.320
 150                    3.253
 200                    2.814
 500    4.95             .872
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 85 DATE 25/ 6/84 GMT 17.3
POSITION 48-48.7 N, 126-26.6 W STATION E006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.980
10			6.621
20			6.343
30			6.322
50			6.078
75			4.934
100			3.536
125			2.990
150			6.000
200			2.597

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 86 DATE 25/ 6/84 GMT 18.8
POSITION 48-52.7 N, 126-20.8 W STATION E005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.919
10			8.466
20			7.656
30			7.089
50			5.236
75			4.272
100			3.177
125			2.455

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 88      DATE 25/ 6/84   GMT 20.2
POSITION    48-56.6 N,  126-15.2 W                  STATION E004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    7.384
   10                    8.208
   20                    7.059
   30                    4.837
   50                    4.292
   75                    3.698
  118                    2.404
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 90      DATE 25/ 6/84   GMT 31.5
POSITION    49-  .4 N,  126- 9.6 W                  STATION E003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                    6.969
   10                    7.218
   20                    6.187
   30                    6.003
   50                    3.635
   65                    3.284
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 92      DATE 25/ 6/84   GMT 22.6
POSITION    49- 4.1 N,  126- 4.3 W                   STATION E002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     6.841
  10                     7.016
  20                     3.987
  30                     3.677
  54                     3.644
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 93      DATE 25/ 6/84   GMT 23.1
POSITION    49- 6.0 N,  126- 1.0 W                   STATION E001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     7.966
  10                     8.053
  20                     7.966
  30                     3.765
  40                     3.558
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 94      DATE 26/ 6/84   GMT   .8
POSITION   48-54.9 N,  125-41.0 W                STATION D002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL    OXY

   0                  7.212
  10                  7.433
  20                  4.628
  30                  3.670
  50                  3.501
  75                  3.308
  96                  3.033
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 96      DATE 26/ 6/84   GMT  2.5
POSITION   48-47.3 N,  125-51.9 W                STATION D004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL    OXY

  10                  7.169
  20                  6.232
  30                  5.696
  50                  3.426
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12- 98       DATE 26/ 6/84   GMT  3.9
POSITION   48-39.3 N,  126- 3.2 W                     STATION D006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL    OXY

   0                  6.870
  10                  7.418
  20                  6.859
  30                  5.463
  50                  4.708
  75                  3.613
 100                  2.585
 120                  2.132
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-100       DATE 26/ 6/84   GMT  5.6
POSITION   48-30.8 N,  126-14.7 W                     STATION D008
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL    OXY

   0                  6.915
  10                  6.929
  20                  6.926
  30                  6.531
  50                  6.179
  75                  5.036
 100                  3.432
 125                  3.224
 155                  3.183
 200                  2.929
 300                  1.676
 500                   .870
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-102 DATE 26/ 6/84 GMT 7.8
POSITION 48-21.9 N, 126-26.8 W STATION D010
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0		31.787	6.423
10			6.403
20			6.437
30			6.673
50			6.299
75			5.503
100			4.219
125			3.283
150			3.103
200			2.892
300		33.982	2.176
500			.864

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-104 DATE 26/ 6/84 GMT 10.9
POSITION 48-13.7 N, 126- 1.3 W STATION C009
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.405
10			6.608
20			6.644
30			6.647
50			6.315
75			4.711
100			2.631
125			3.596
150			3.437
200			2.773
300			1.920
500	5.88		.886

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-106       DATE 26/ 6/84   GMT 12.7
POSITION   48-22.8 N,  125-49.4 W                   STATION C007
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                   7.601
   10                   8.345
   20                   6.446
   30                   6.311
   50                   5.438
   75                   4.652
  100                   3.254
  125                   2.488
  140                   2.315
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-108       DATE 26/ 6/84   GMT 15.2
POSITION   48-31.4 N,  125-38.0 W                   STATION C005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0                   6.277
   10                   6.775
   20                   4.403
   30                   4.290
   50                   3.297
   75                   2.613
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-109 DATE 26/ 6/84 GMT 16.0
POSITION 48-35.5 N, 125-32.4 W STATION C004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.787
10			7.140
20			4.906
30			3.857
50			3.359
79			2.464
100			2.115
123			2.173

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-111 DATE 26/ 6/84 GMT 17.4
POSITION 48-43.5 N, 125-21.4 W STATION C002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			8.332
10			4.310
20			4.510
30			3.871
50			3.601
75			3.331
100			2.935
137			2.601

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-112      DATE 26/ 6/84   GMT 18.1
POSITION   48-46.3 N,  125-17.2 W                 STATION C001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP     SAL     OXY

    0                   7.302
   10                   7.506
   20                   5.313
   30                   4.769
   50                   4.179
   80                   3.240
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-113      DATE 26/ 6/84   GMT 19.8
POSITION   48-39.9 N,  125-  .0 W                 STATION B001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP     SAL     OXY

    0                   9.468
   10                   9.309
   20                   6.400
   30                   4.962
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-114       DATE 26/ 6/84    GMT 20.3
POSITION   48-38.1 N,  125- 1.8 W                   STATION B002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   6.492
  10                   6.745
  20                   4.830
  30                   4.545
  50                   3.820
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-115       DATE 26/ 6/84    GMT 20.9
POSITION   48-34.4 N,  125- 5.5 W                   STATION B003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   6.441
  10                   5.419
  20                   5.409
  30                   4.600
  50                   3.227
  75                   2.287
 100                   2.143
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-117 DATE 26/ 6/84 GMT 22.4
POSITION 48-26.1 N, 125-16.4 W STATION B005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			8.031
10			7.752
20			5.725
30			4.454
50			3.431
75			2.808
100			2.124
125			2.153
150			2.103

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-119 DATE 27/ 6/84 GMT .0
POSITION 48-17.5 N, 125-27.8 W STATION B007
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.043
10			7.137
20			5.763
30			4.233
50			4.347
75			2.507
100			2.435
125			2.437

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-123 DATE 27/ 6/84 GMT 2.4
POSITION 48- 9.9 N, 125-16.7 W STATION S006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.870
10			6.991
20			5.469
30			5.415
50			5.427
100			2.715
125			2.458

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-124 DATE 27/ 6/84 GMT 3.0
POSITION 48- 8.7 N, 125-11.0 W STATION S05A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.739
10			6.917
20			6.861
30			6.175
50			4.532
75			3.998
100			2.727
150			2.457
200			2.228
250			2.075

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-126       DATE 27/ 6/84   GMT  5.0
POSITION    48- 6.5 N,  125-  .3 W                  STATION S03A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                    6.748
  10                    6.844
  20                    6.067
  30                    6.088
  50                    5.336
  75                    3.931
 100                    3.177
 125                    2.979
 150                    2.862
 200                    2.783
 250                    2.392
 300                    2.085
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-127       DATE 27/ 6/84   GMT  5.5
POSITION    48- 5.8 N,  124-56.5 W                  STATION S02A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                    6.676
  10                    6.692
  20                    6.408
  30                    6.272
  50                    5.344
  75                    3.560
  90                    3.265
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-128 DATE 27/ 6/84 GMT 6.0
POSITION 48- 5.0 N, 124-53.5 W STATION S002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.568
10			6.634
20			6.608
30			6.403
50			3.660

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-129 DATE 27/ 6/84 GMT 6.4
POSITION 48- 4.5 N, 124-50.6 W STATION S01A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.841
10			6.207
20			3.923
30			3.628

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-132      DATE 27/ 6/84   GMT  9.0
POSITION   48-16.6 N,  124-48.1 W                  STATION R002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     5.007
  10                     5.809
  20                     4.972
  30                     3.411
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-134      DATE 27/ 6/84   GMT 10.6
POSITION   48-17.4 N,  124-53.9 W                  STATION R003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

   0                     6.967
  10                     6.592
  20                     4.201
  30                     4.134
  50                     3.664
  75                     3.316
 100                     2.925
 125                     3.007
 154                     2.823
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-135 DATE 27/ 6/84 GMT 12.3
POSITION 48-17.8 N, 124-59.1 W STATION R04A
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.981
10			6.620
20			4.303
30			3.970
50			3.283
75			2.593
100			2.520
125			2.392
150			2.428
200			2.210
250			1.991

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-136 DATE 27/ 6/84 GMT 14.1
POSITION 48-18.8 N, 125- 4.0 W STATION R005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.253
10			6.929
20			3.880
30			3.180
50			2.447
75			2.345
100			2.257
125			2.138
150			2.342

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-137       DATE 27/ 6/84   GMT 15.4
POSITION   48-20.0 N,  125-12.0 W                    STATION R006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                  6.439
   10                  6.513
   20                  5.000
   30                  3.812
   50                  2.809
   80                  2.247
  100                  2.147
  125                  2.154
  150                  2.138
  180                  2.072
```

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-139       DATE 27/ 6/84   GMT 19.6
POSITION   48- 5.4 N,  125-16.8 W                    STATION A006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

    0                  6.843
   10                  7.002
   20                  6.319
   30                  6.362
   50                  5.677
   75                  4.563
  100                  3.413
  125                  3.140
  150                  3.065
  200                  1.915
  250                  1.659
  280                  2.642
```

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-140 DATE 27/ 6/84 GMT 20.4
POSITION 48- 8.8 N, 125-11.0 W STATION A005
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.038
10			7.077
20			6.780
30			5.442
50			5.427
75			4.133
100			2.868
125			2.589
150			2.916
200			2.458
250			1.955
300			1.728

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-141 DATE 27/ 6/84 GMT 21.5
POSITION 48-12.9 N, 125- 2.3 W STATION A004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.845
10			6.845
20			6.706
30			6.081
50			5.620
75			3.031
100			2.488
125			2.464
150			2.346
200			2.104
250		33.967	2.039

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-142   DATE 27/ 6/84   GMT 22.3
POSITION   48-17.9 N, 124-59.1 W   STATION A003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.181
10			7.043
20			5.221
30			4.093
50			3.453
75			2.669
100			2.435
125			2.412
150			2.358
200			2.282
250			1.950
300			1.958

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-143   DATE 27/ 6/84   GMT 23.1
POSITION   48-22.1 N, 124-54.2 W   STATION A002
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			7.696
10			5.479
20			4.018
30			3.831
50			3.026
75			3.008
100			2.443
125			2.439
150			2.463
200			2.475
250			2.143
300			1.917

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-144 DATE 27/ 6/84 GMT 23.8
POSITION 48-25.3 N, 124-51.6 W STATION A001
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.993
10			6.447
20			5.288
30			4.597
50			3.023
75			2.665
100			2.533
125			2.483
150			2.195
200			2.200
250			2.149
300			1.959

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-146 DATE 28/ 6/84 GMT 2.2
POSITION 48-32.5 N, 124-40.0 W STATION P002
HYDROGRAPHIC CAST DATA

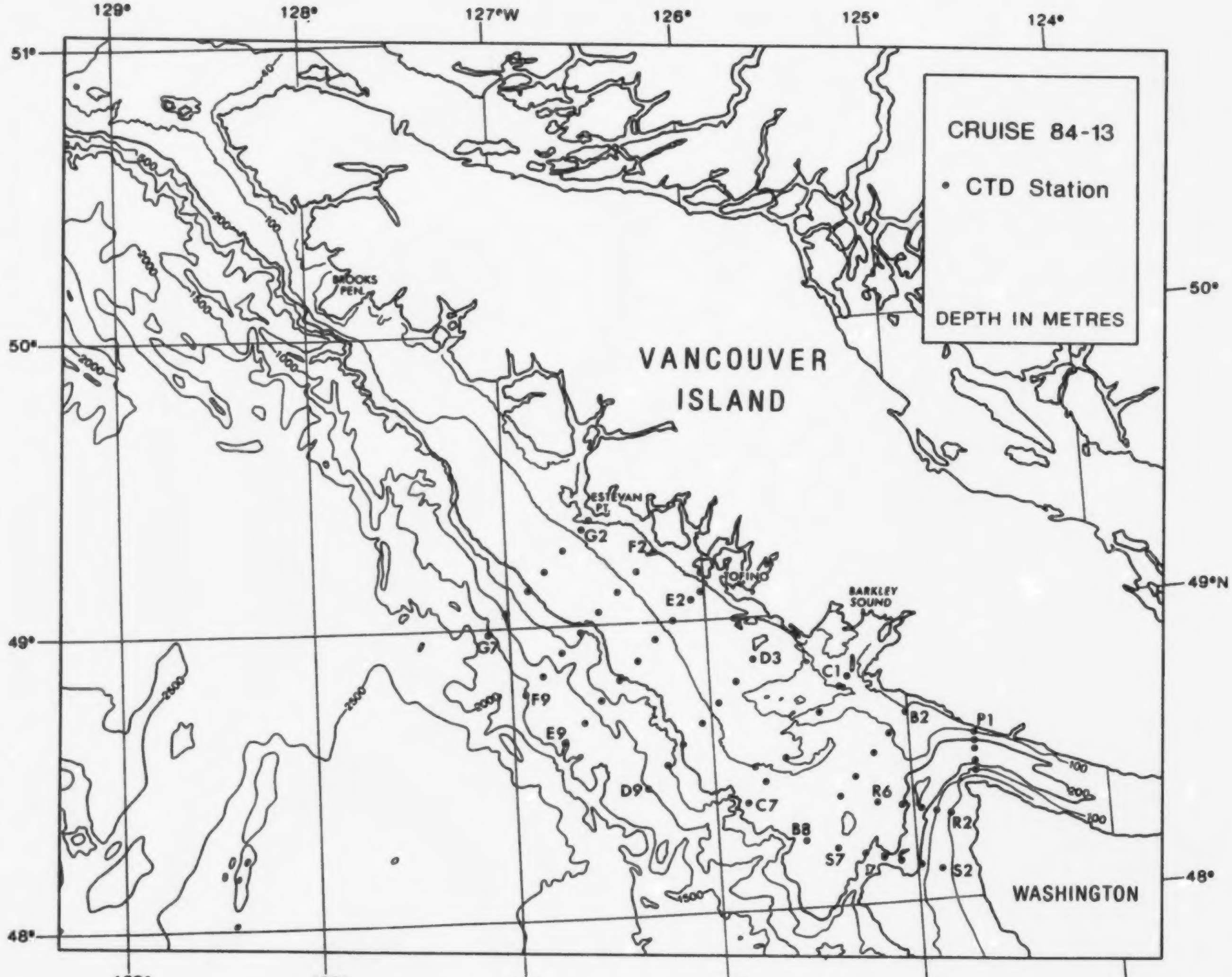
OBSERVED DATA

DEPTH	TEMP	SAL	OXY
0			6.476
10			6.254
20			6.174
30			5.037
50			2.877
75			2.500
100			2.323
125			2.282

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-148       DATE 28/ 6/84   GMT  3.1
POSITION   48-28.1 N,  124-40.0 W                      STATION P004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   7.340
  10                   7.134
  20                   6.438
  30                   5.130
  50                   3.887
  75                   2.926
 100                   2.725
 125                   2.503
 150                   2.539


OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 12-150       DATE 28/ 6/84   GMT  4.0
POSITION   48-25.1 N,  124-40.0 W                      STATION P006
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH   TEMP    SAL     OXY

   0                   6.605
  10                   5.638
  20                   6.027
  30                   5.592
  50                   3.202
  75                   3.041
 100                   2.637
 125                   2.606
```

```
@FIN
```

CRUISE 84-13
JULY 1984


CRUISE 84-13
• CTD Station
DEPTH IN METRES
VANCOUVER ISLAND
BROOKS PEN.
ESTEVAN PT.
TOFINO
BARKLEY SOUND
WASHINGTON
G2
F2
E2
D3
C1
B2
P1
R2
R6
S2
S7
B8
C7
D9
E9
F9
G7
129°
128°
127°W
126°
125°
124°
127°
51°
50°
49°
48°
49°N
100
200
1000
1500
2000
2500

VANCOUVER ISLAND COASTAL CURRENT EXPERIMENT

Key to information written on Plot pages and Listing pages.

PLOT PAGE

Ref. No. Year-Month-Station Consecutive Number
Latitude (°N) Longitude (°W)
Month Day Time (GMT)*

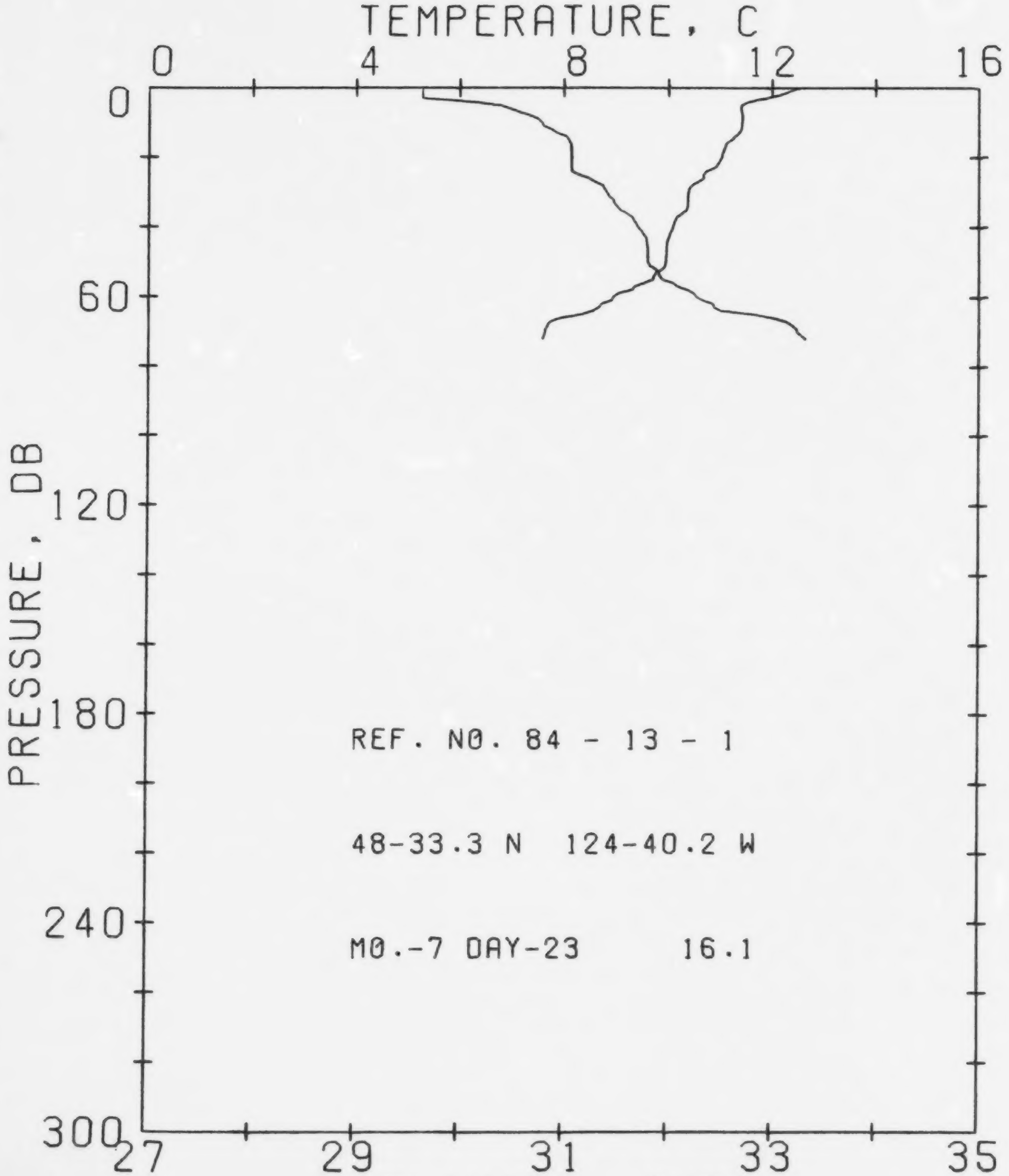
*PST = GMT - 8 hours

LISTING PAGE

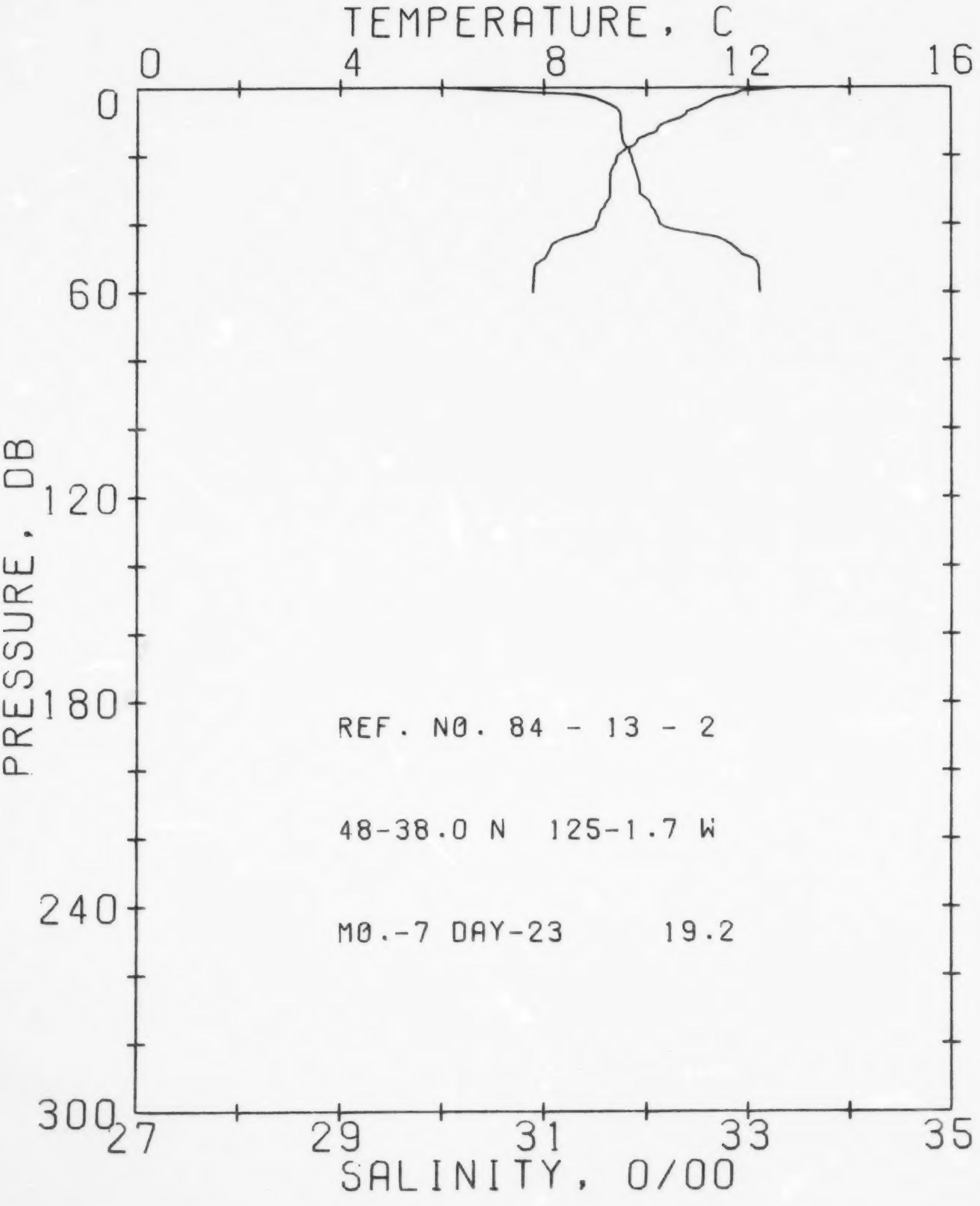
Ref. No. Year-Month-Station Reference Number Date (D/Mo/Yr)
Position Latitude Longitude GMT (Hours) Station ID
Results of STP Cast ... Number of 1-metre averaged points taken from digital output ... Guildline (CTP) was used ... Pressures (in db) are input.

PARAMETERS, SYMBOLS, UNITS

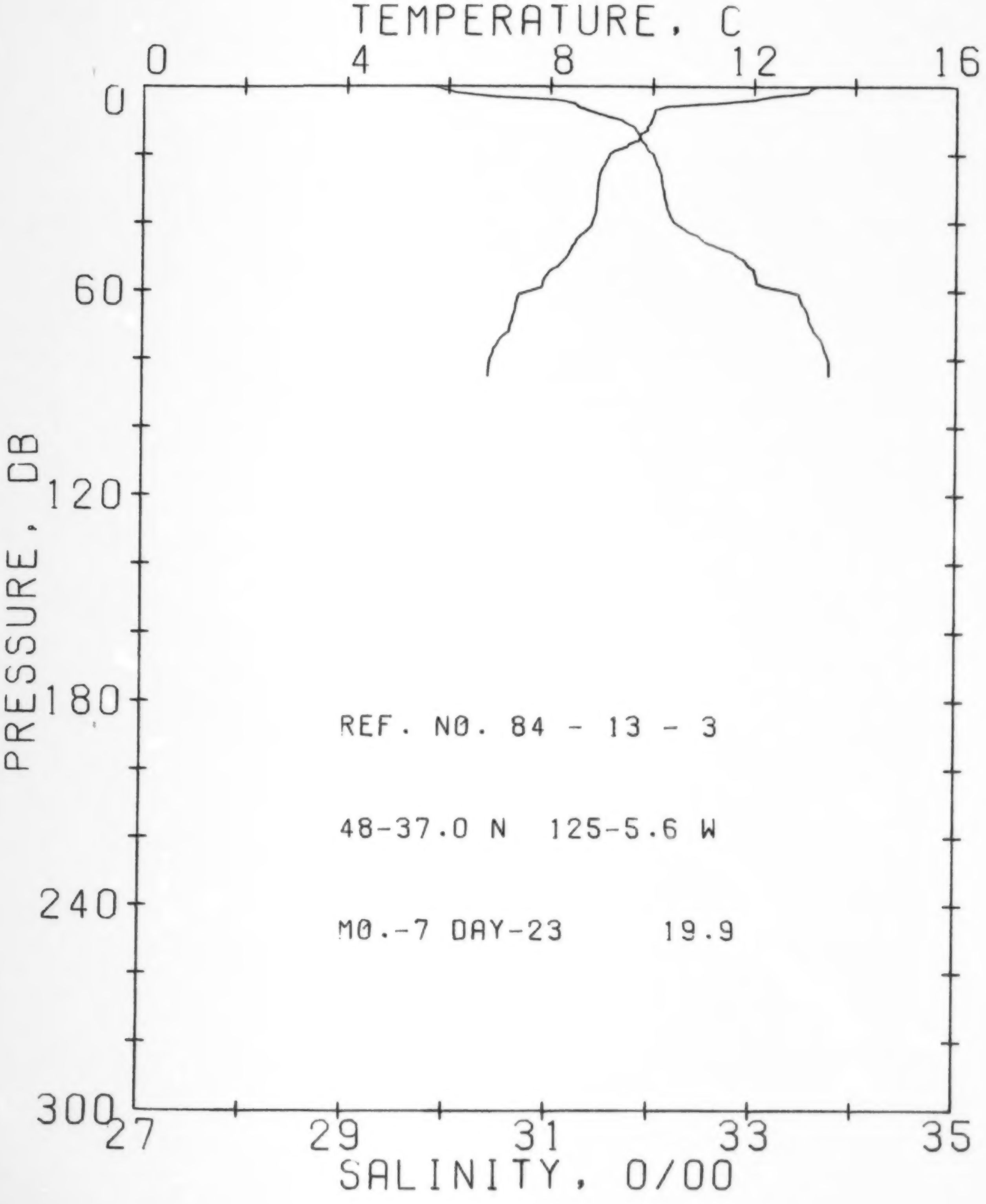
DEPTH: DEPTH in metres
TEMPERATURE: TEMP in degrees Celcius
SALINITY: SAL in grams per kilogram
SIGMA-T: SIG-T (dimensionless)
SPECIFIC VOLUME ANOMALY: SVA in 10Exp(-5)* cm^3/gram
GEOPOTENTIAL ANOMALY: DELTA-D in Joules/Kilogram
POTENTIAL ENERGY: POT. EN. in 10Exp(8) Ergs/cm^2
SPEED OF SOUND: SOUND in metres/second


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
27
29
31
33
35
SALINITY, 0/00
REF. NO. 84 - 13 - 1
48-33.3 N 124-40.2 W
MO.-7 DAY-23 16.1

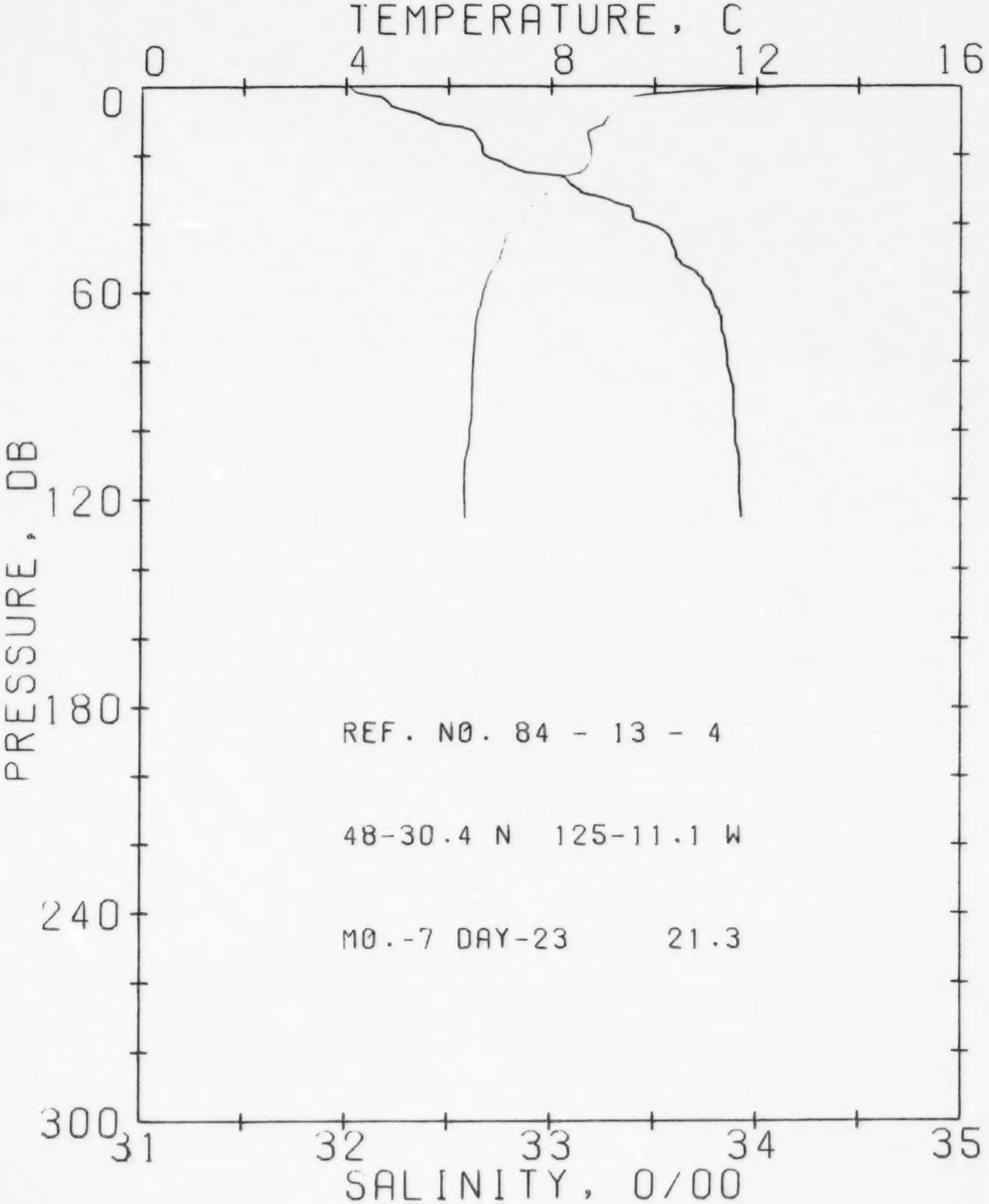
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  1        DATE 23/ 7/84
POSITION  48-33.3N, 124-40.2W   GMT 16.1    STATION P 1
RESULTS OF STP CAST    71 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH     SIGMA    SVA    DELTA     POT.   SOUND
                                    T                D       EN
    0   12.52   29.64       0     22.37  547.9      .00      .00   1493.
   10   11.41   30.79      10     23.46  443.8      .49      .02   1490.
   20   11.01   31.07      20     23.75  416.6      .92      .09   1489.
   30   10.37   31.41      30     24.12  381.2     1.32      .19   1488.
   50    9.94   31.80      50     24.49  345.8     2.03      .48   1487.
   75    7.52   33.45      75     26.15  188.9     2.70      .88   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 2
48-38.0 N 125-1.7 W
MO.-7 DAY-23 19.2
27
29
31
33
35
SALINITY, 0/00

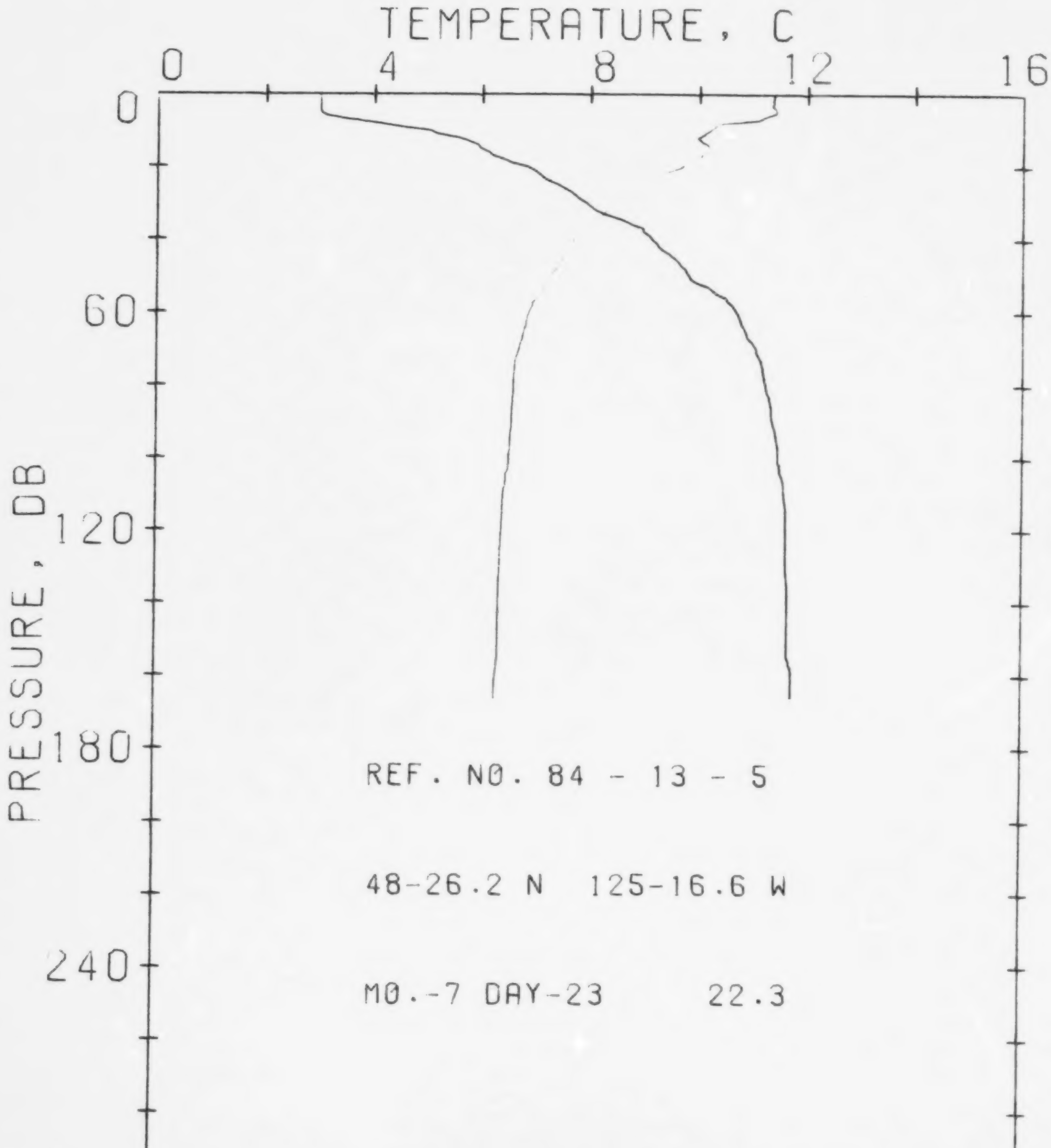
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  2        DATE 23/ 7/84
POSITION  48-38.0N, 125- 1.7W   GMT 19.2    STATION B 2
RESULTS OF STP CAST    57 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.    SOUND
                                    T                D       EN
   0    12.93    29.97       0    22.54   530.9     .00      .00   1494.
  10    10.42    31.75      10    24.37   356.4     .39      .02   1488.
  20     9.41    31.85      20    24.62   333.3     .74      .07   1485.
  30     9.28    31.93      30    24.70   325.6    1.07      .16   1484.
  50     8.00    33.05      50    25.76   224.9    1.64      .39   1481.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
27
29
31
33
35
SALINITY, 0/00
REF. NO. 84 - 13 - 3
48-37.0 N 125-5.6 W
MO.-7 DAY-23 19.9

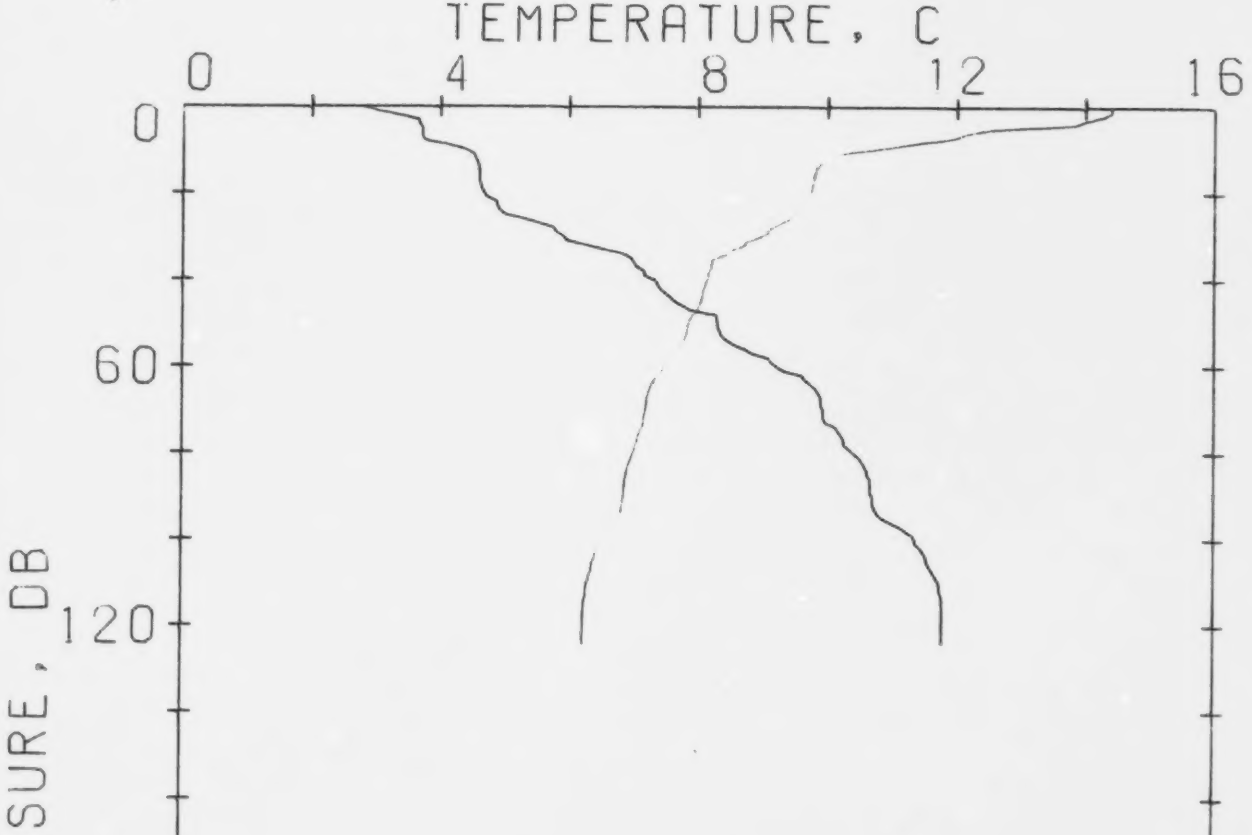
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  3          DATE 23/ 7/84
POSITION  48-37.0N, 125- 5.6W    GMT 19.9     STATION B 3
RESULTS OF STP CAST    81 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    13.23    29.88       0    22.42   543.1     .00     .00   1495.
  10     9.97    31.70      10    24.41   353.0     .43     .02   1486.
  20     9.14    32.01      20    24.79   317.4     .77     .07   1484.
  30     8.92    32.10      30    24.89   307.6    1.08     .15   1483.
  50     8.32    32.83      50    25.55   245.0    1.66     .38   1482.
  75     6.97    33.68      75    26.40   164.3    2.15     .69   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 4
48-30.4 N 125-11.1 W
MO.-7 DAY-23 21.3

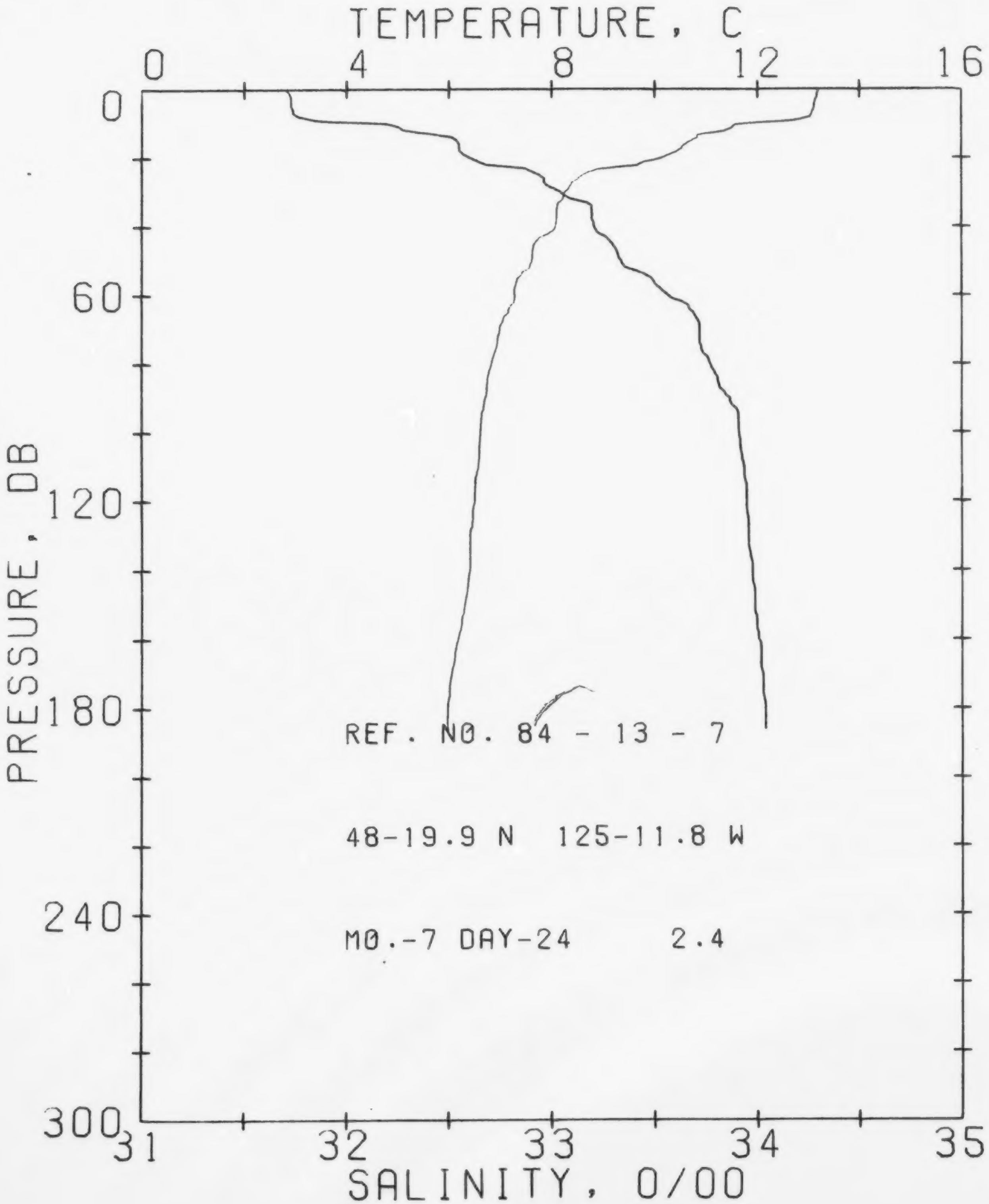
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  4          DATE 23/ 7/84
POSITION  48-30.4N, 125-11.1W    GMT 21.3     STATION B 4
RESULTS OF STP CAST    98 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS     TEMP      SAL    DEPTH    SIGMA      SVA    DELTA     POT.    SOUND
                                      T                 D        EN
    0    12.61    32.02        0    24.19    374.2      .00      .00    1496.
   10     9.05    32.42       10    25.12    285.5      .31      .02    1484.
   20     8.78    32.67       20    25.36    263.1      .58      .06    1483.
   30     7.97    33.14       30    25.84    217.4      .82      .12    1481.
   50     7.00    33.61       50    26.34    169.6     1.19      .27    1478.
   75     6.50    33.85       75    26.60    145.6     1.57      .51    1477.
  100     6.41    33.90       99    26.65    141.1     1.93      .83    1477.
  125     6.32    33.93      124    26.69    138.0     2.28     1.23    1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 5
48-26.2 N 125-16.6 W
MO.-7 DAY-23 22.3

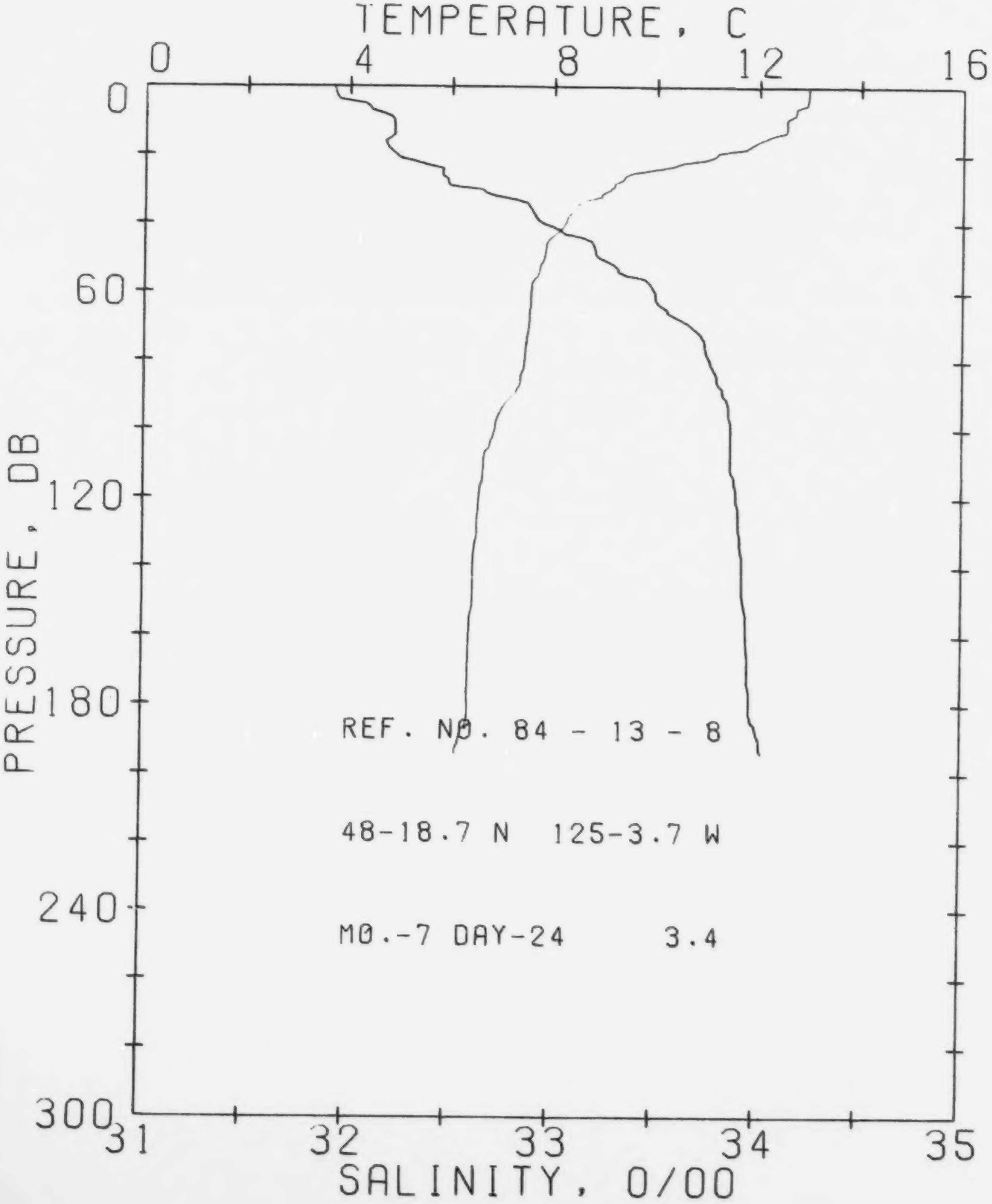
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  5         DATE 23/ 7/84
POSITION  48-26.2N, 125-16.6W   GMT 22.3    STATION B 5
RESULTS OF STP CAST   107 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA     POT.   SOUND
                                   T               D       EN
    0   11.39   31.75       0   24.20   372.4     .00      .00   1491.
   10   10.19   32.26      10   24.81   315.0     .36      .02   1488.
   20    9.69   32.71      20   25.24   274.0     .65      .06   1487.
   30    8.45   32.98      30   25.65   235.4     .91      .13   1483.
   50    7.31   33.46      50   26.18   184.9    1.32      .29   1479.
   75    6.62   33.80      75   26.55   150.9    1.73      .55   1477.
  100    6.52   33.87      99   26.61   144.7    2.09      .88   1477.
  125    6.37   33.91     124   26.66   140.2    2.45     1.28   1477.
  150    6.34   33.92     149   26.68   139.4    2.80     1.77   1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 13 - 6
48-21.9 N 125-22.2 W
MO.-7 DAY-23 23.5
31
32
33
34
35
SALINITY, 0/00

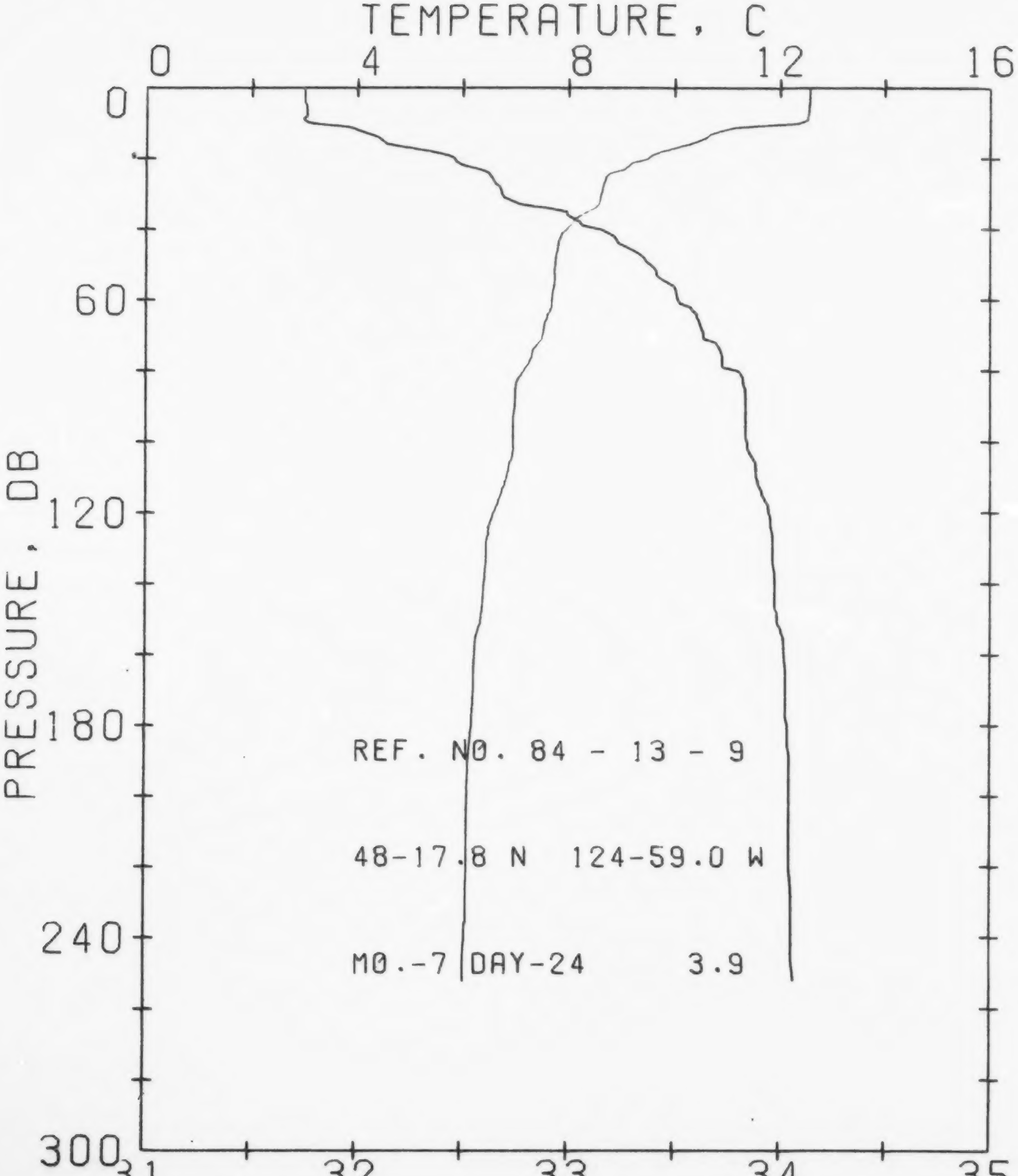
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  6        DATE 23/ 7/84
POSITION  48-21.9N, 125-22.2W   GMT 23.5    STATION B 6
RESULTS OF STP CAST   106 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA   DELTA     POT.   SOUND
                                   T               D      EN
    0   14.41   31.69       0    23.57  432.9     .00      .00   1501.
   10   10.58   32.10      10    24.62  333.2     .39      .02   1489.
   20    9.75   32.17      20    24.81  314.9     .71      .07   1486.
   30    8.97   32.48      30    25.18  280.2    1.01      .14   1484.
   50    7.85   33.08      50    25.81  220.5    1.50      .34   1481.
   75    7.10   33.55      75    26.28  175.7    1.98      .65   1479.
  100    6.54   33.84      99    26.59  146.8    2.39     1.01   1477.
  125    6.22   33.95     124    26.71  135.4    2.75     1.42   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 7
48-19.9 N 125-11.8 W
MO.-7 DAY-24 2.4

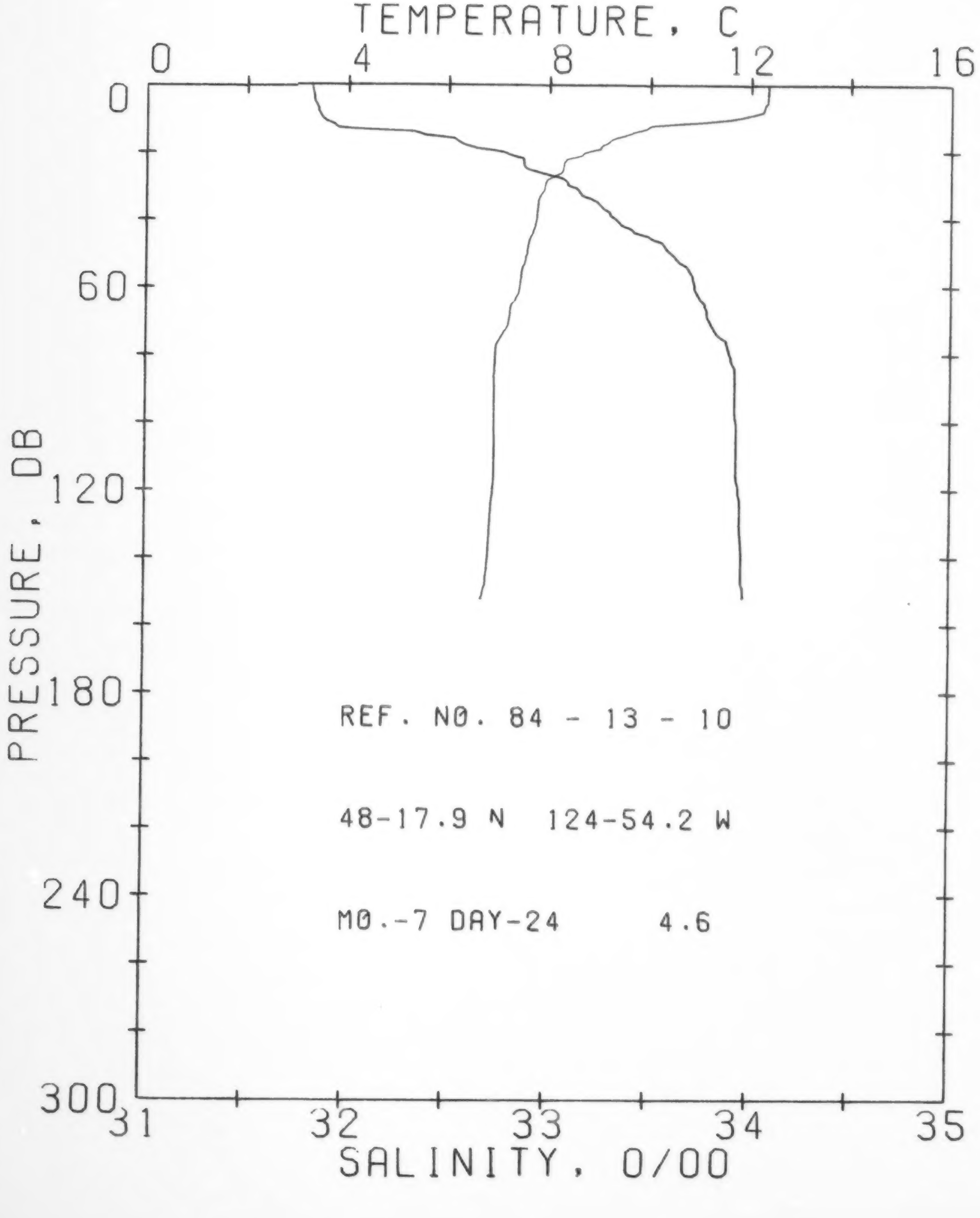
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  7        DATE 24/ 7/84
POSITION  48-19.9N, 125-11.8W   GMT  2.4    STATION R 6
RESULTS OF STP CAST   143 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA     POT.    SOUND
                                    T                D        EN
   0    13.20    31.71       0    23.83   407.9     .00      .00    1497.
  10    11.58    32.20      10    24.52   342.7     .40      .02    1493.
  20    10.12    32.60      20    25.09   288.9     .71      .07    1488.
  30     8.25    33.04      30    25.73   228.1     .96      .13    1482.
  50     7.62    33.34      50    26.05   198.0    1.38      .30    1480.
  75     6.93    33.73      75    26.45   160.1    1.81      .57    1478.
 100     6.60    33.91      99    26.64   142.6    2.19      .91    1478.
 125     6.46    33.96     124    26.69   137.6    2.54     1.31    1478.
 150     6.30    33.99     149    26.74   133.7    2.88     1.79    1477.
 175     6.01    34.03     174    26.81   127.4    3.20     2.32    1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 8
48-18.7 N 125-3.7 W
MO.-7 DAY-24 3.4

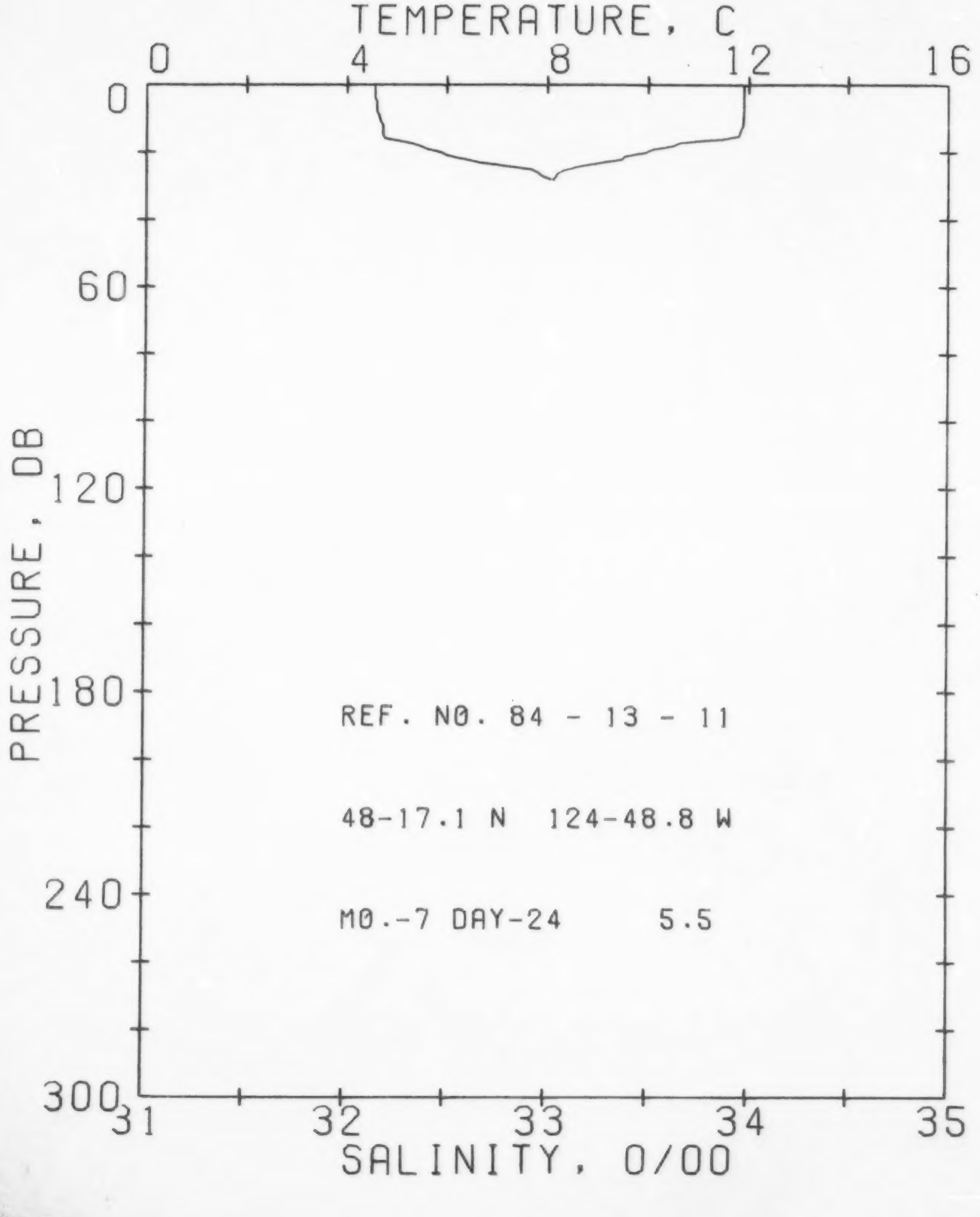
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  8         DATE 24/ 7/84
POSITION  48-18.7N, 125- 3.7W   GMT  3.4    STATION R 5
RESULTS OF STP CAST   147 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.97   31.92       0    24.04   388.2     .00     .00    1497.
   10   12.53   32.22      10    24.36   358.2     .38     .02    1496.
   20   11.17   32.23      20    24.62   333.6     .73     .07    1491.
   30    9.11   32.65      30    25.29   269.7    1.03     .15    1485.
   50    7.82   33.23      50    25.93   209.0    1.49     .34    1481.
   75    7.47   33.74      75    26.38   166.6    1.95     .63    1480.
  100    6.88   33.87      99    26.57   149.4    2.35     .98    1479.
  125    6.55   33.91     124    26.64   142.5    2.71    1.40    1478.
  150    6.46   33.93     149    26.67   139.7    3.06    1.89    1478.
  175    6.37   33.96     174    26.71   136.8    3.41    2.46    1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 13 - 9
48-17.8 N 124-59.0 W
M0.-7 DAY-24 3.9

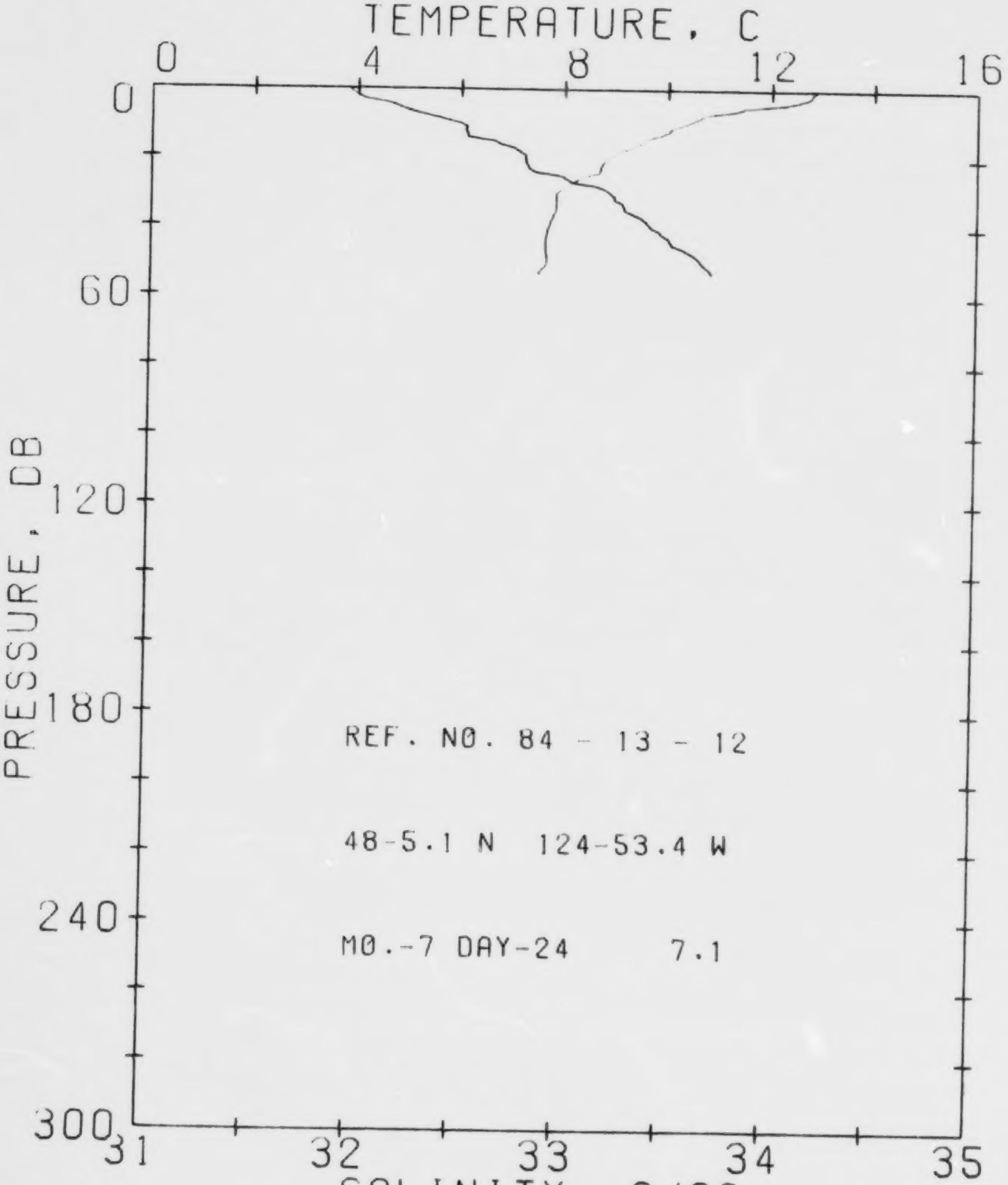
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13-  9          DATE 24/ 7/84
POSITION  48-17.8N, 124-59.0W   GMT  3.9    STATION R 4
RESULTS OF STP CAST   156 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
    0   12.57   31.75       0   23.99   393.3     .00     .00   1495.
   10   12.37   31.77      10   24.04   388.4     .39     .02   1495.
   20    9.51   32.46      20   25.08   289.7     .72     .07   1486.
   30    8.62   32.68      30   25.39   260.2     .99     .14   1483.
   50    7.75   33.39      50   26.07   196.1    1.43     .32   1481.
   75    7.32   33.72      75   26.39   165.7    1.89     .60   1480.
  100    6.96   33.85      99   26.54   151.9    2.28     .95   1479.
  125    6.49   33.96     124   26.69   137.7    2.64    1.36   1478.
  150    6.35   33.99     149   26.73   134.4    2.98    1.84   1478.
  175    6.20   34.03     174   26.78   129.7    3.30    2.38   1477.
  200    6.10   34.05     199   26.81   127.4    3.63    2.99   1477.
  225    6.09   34.05     223   26.82   127.0    3.94    3.68   1478.
  250    6.03   34.07     248   26.83   125.8    4.26    4.45   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 10
48-17.9 N 124-54.2 W
MO.-7 DAY-24 4.6

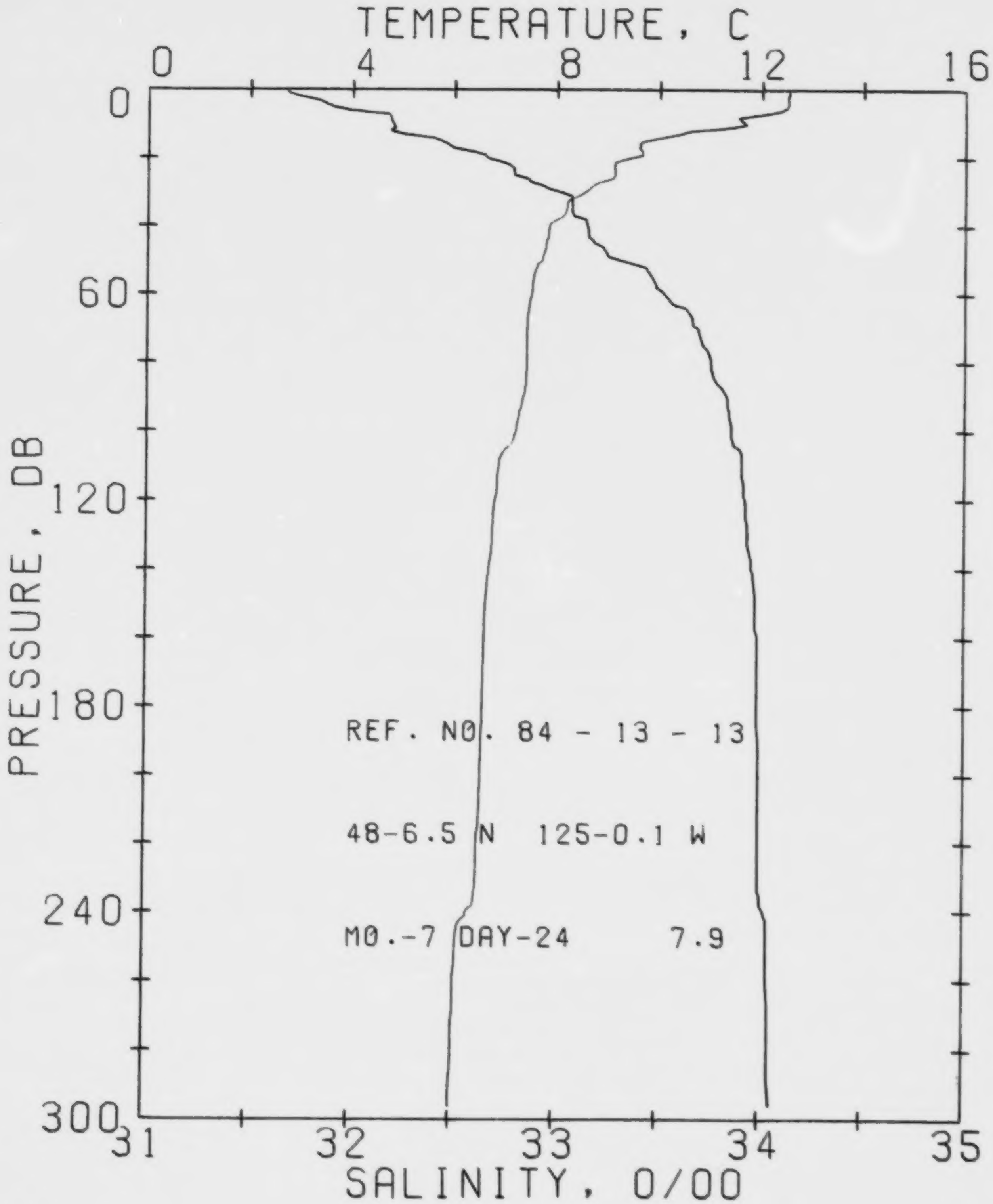
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 10          DATE 24/ 7/84
POSITION  48-17.9N, 124-54.2W   GMT  4.6     STATION R 3
RESULTS OF STP CAST   107 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                    T                D       EN
    0   12.35   31.82        0    24.08   384.1      .00      .00   1495.
   10   11.69   31.87       10    24.24   369.0      .38      .02   1493.
   20    8.73   32.77       20    25.44   254.9      .69      .06   1483.
   30    7.93   33.10       30    25.81   219.8      .92      .12   1481.
   50    7.58   33.61       50    26.26   177.4     1.32      .28   1480.
   75    7.05   33.86       75    26.53   152.0     1.73      .55   1479.
  100    6.93   33.93       99    26.61   145.0     2.09      .87   1479.
  125    6.89   33.96      124    26.63   143.2     2.46     1.29   1479.
  150    6.75   33.98      149    26.67   140.2     2.81     1.78   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 11
48-17.1 N 124-48.8 W
MO.-7 DAY-24 5.5
31
32
33
34
35
SALINITY, 0/00

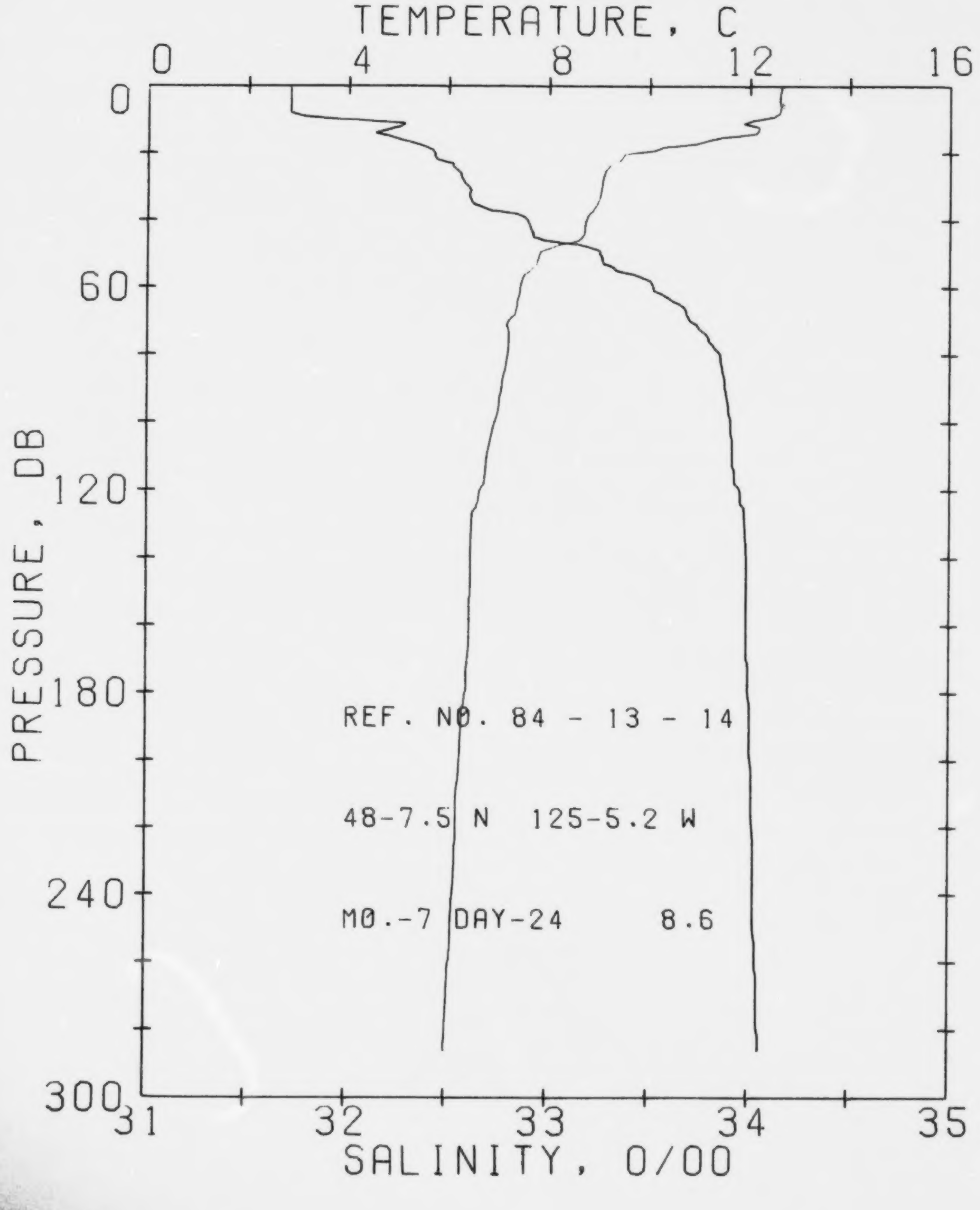
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 11          DATE 24/ 7/84
POSITION  48-17.1N, 124-48.8W    GMT  5.5     STATION R 2
RESULTS OF STP CAST     25 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA     DELTA     POT.    SOUND
                                    T                 D        EN
   0    11.91    32.14      0     24.41    352.7     .00       .00   1494.
  10    11.90    32.17     10     24.43    350.9     .35       .02   1494.
  20     9.97    32.47     20     25.01    296.1     .69       .07   1487.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH         TEMP     SAL

  0.             11.91   32.14       17.                 10.65   32.30
  2.             11.91   32.14       18.                 10.52   32.36
  4.             11.90   32.14       19.                 10.09   32.40
  5.             11.90   32.15       20.                  9.97   32.47
  7.             11.91   32.15       21.                  9.54   32.50
  8.             11.90   32.15       22.                  9.50   32.59
  9.             11.90   32.16       23.                  9.05   32.66
 11.             11.90   32.17       24.                  8.65   32.78
 12.             11.89   32.18       25.                  8.37   32.92
 13.             11.86   32.18       26.                  8.22   32.95
 14.             11.84   32.18       27.                  8.17   32.97
 15.             11.82   32.18       28.                  8.13   33.01
 16.             11.49   32.19
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 12
48-5.1 N 124-53.4 W
MO.-7 DAY-24 7.1

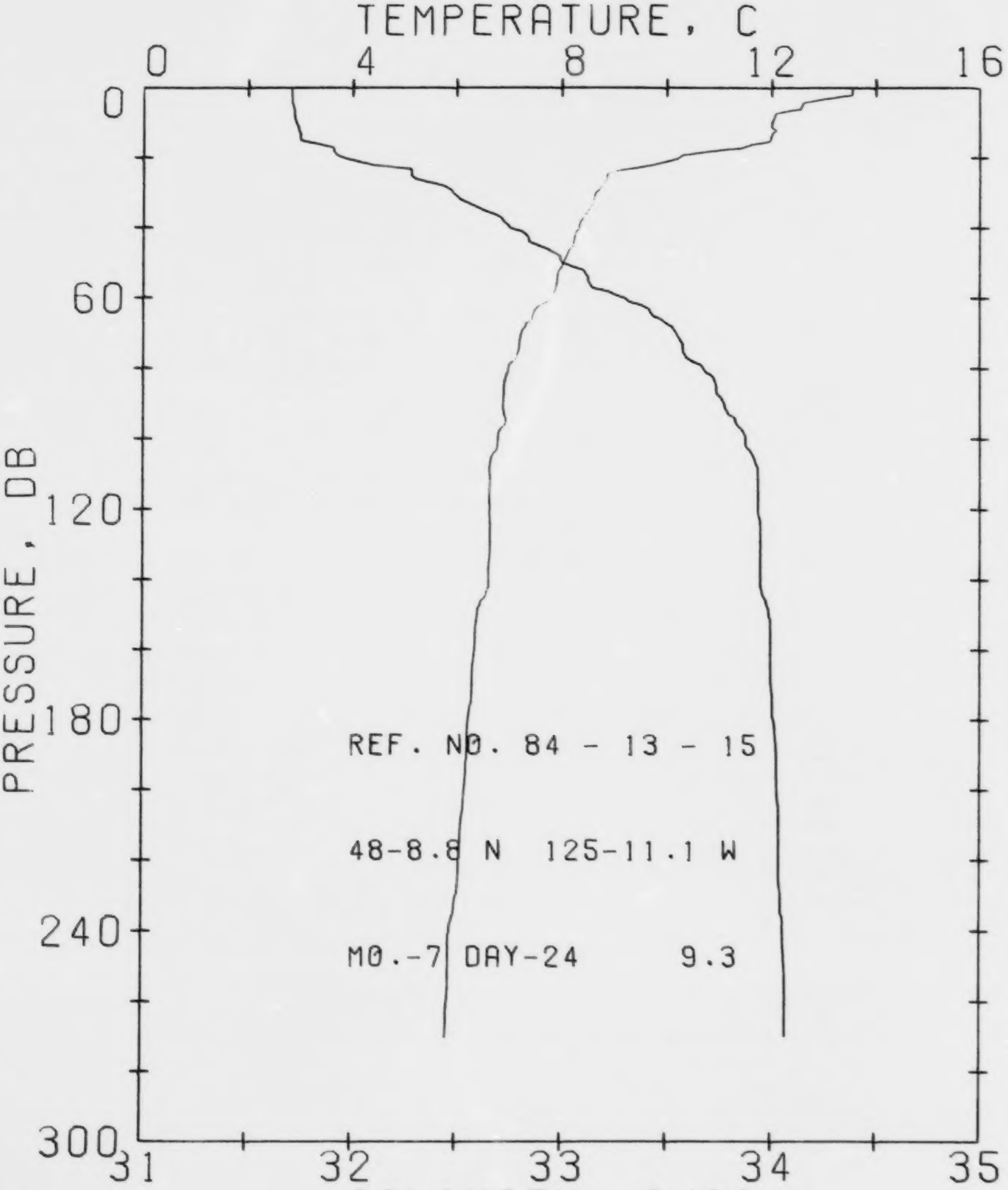
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 12        DATE 24/ 7/84
POSITION  48- 5.1N, 124-53.4W   GMT  7.1    STATION S 2
RESULTS OF STP CAST    51 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    12.87    31.96       0    24.09   383.4     .00     .00   1497.
  10    10.30    32.50      10    24.98   299.0     .35     .02   1488.
  20     8.83    32.81      20    25.46   253.4     .62     .06   1484.
  30     7.86    33.23      30    25.92   209.2     .86     .12   1481.
  50     7.68    33.67      50    26.30   174.3    1.24     .27   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 13
48-6.5 N 125-0.1 W
MO.-7 DAY-24 7.9

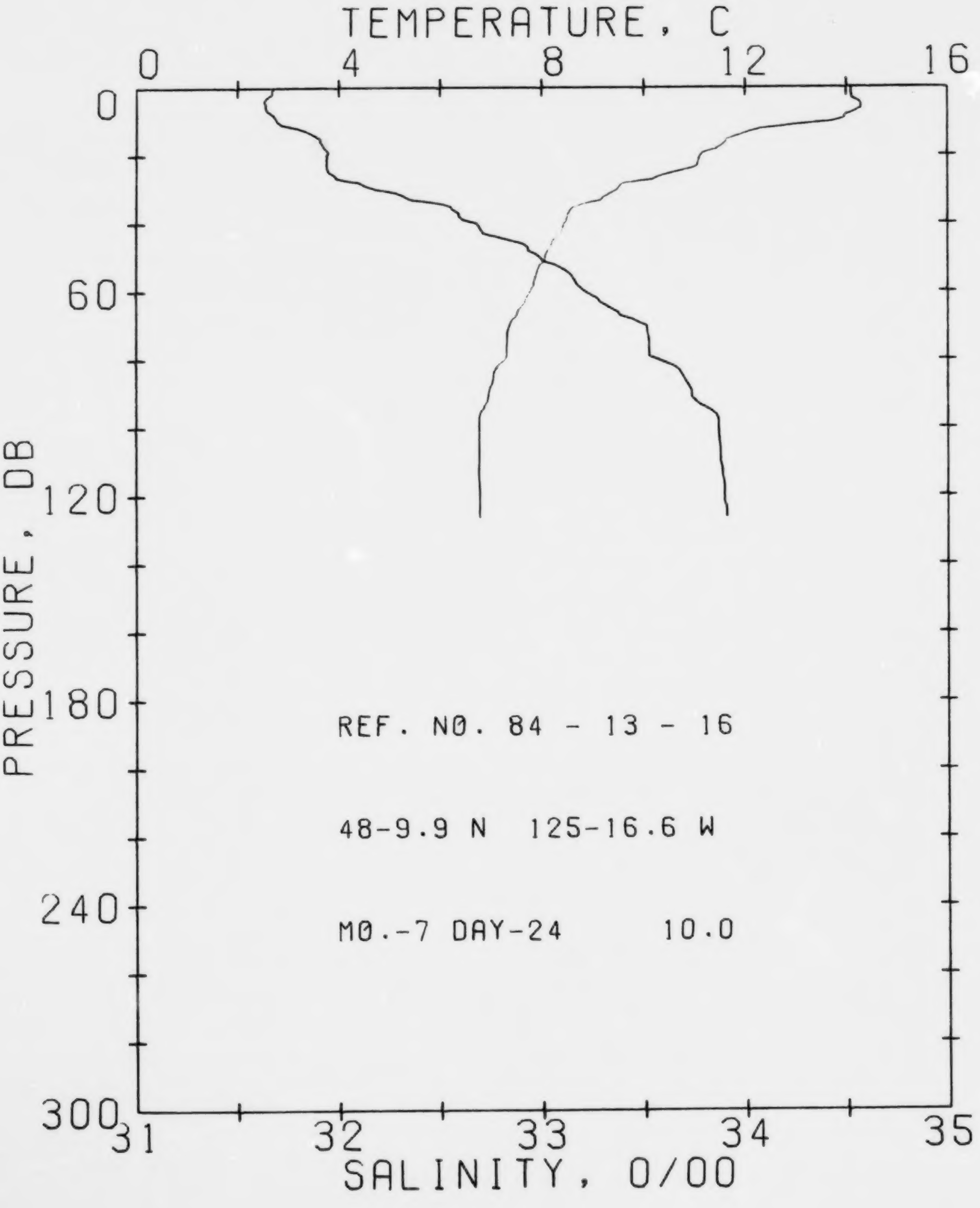
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 13           DATE 24/ 7/84
POSITION  48- 6.5N, 125-  .1W   GMT  7.9    STATION S3A
RESULTS OF STP CAST   170 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.53   31.68        0    23.94   397.7     .00      .00   1495.
   10   11.70   32.20       10    24.50   344.8     .37      .02   1493.
   20    9.40   32.66       20    25.25   273.2     .67      .06   1486.
   30    8.55   33.02       30    25.67   233.9     .93      .13   1483.
   50    7.73   33.32       50    26.01   201.0    1.36      .30   1480.
   75    7.43   33.72       75    26.37   167.5    1.81      .59   1480.
  100    7.23   33.86       99    26.51   154.8    2.21      .95   1480.
  125    6.79   33.93      124    26.62   144.1    2.58     1.37   1479.
  150    6.65   33.98      149    26.68   138.9    2.93     1.86   1479.
  175    6.60   33.99      174    26.70   137.9    3.28     2.44   1479.
  200    6.57   34.00      199    26.71   137.1    3.62     3.09   1479.
  225    6.50   34.00      223    26.72   136.5    3.97     3.83   1479.
  250    6.10   34.04      248    26.80   128.8    4.30     4.64   1478.
  300    6.00   34.06      298    26.83   126.6    4.94     6.43   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 14
48-7.5 N 125-5.2 W
MO.-7 DAY-24 8.6

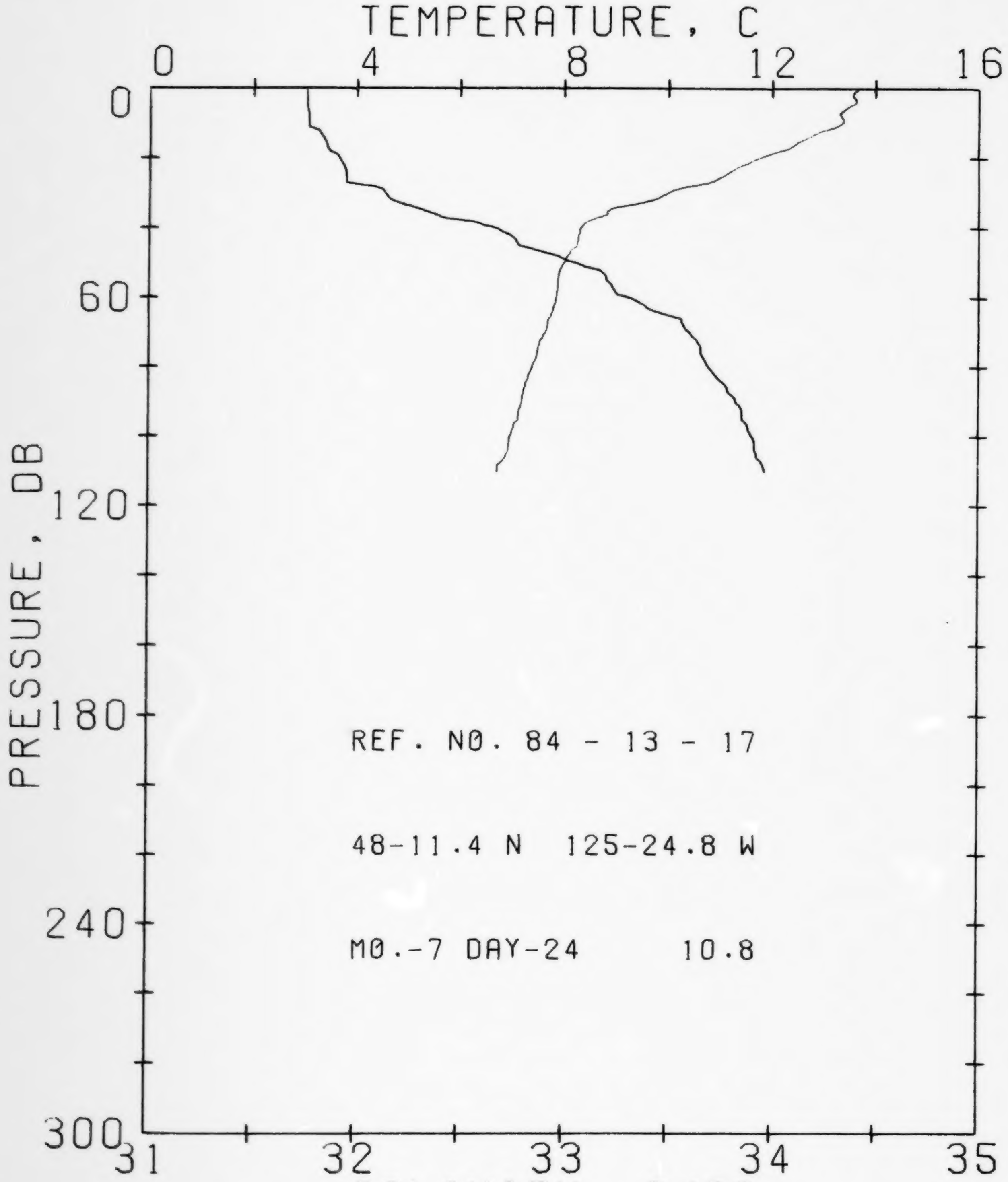
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 14         DATE 24/ 7/84
POSITION  48- 7.5N, 125- 5.2W   GMT  8.6    STATION S 4
RESULTS OF STP CAST   160 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL   DEPTH    SIGMA    SVA   DELTA    POT.   SOUND
                                  T              D      EN
    0  12.63   31.71       0    23.94  397.3     .00     .00   1496.
   10  12.09   32.00      10    24.27  366.4     .39     .02   1494.
   20   9.52   32.43      20    25.05  292.0     .73     .07   1486.
   30   9.05   32.60      30    25.26  272.5    1.01     .14   1484.
   50   7.82   33.26      50    25.95  206.7    1.51     .34   1481.
   75   7.21   33.80      75    26.46  158.6    1.95     .63   1480.
  100   6.93   33.91      99    26.59  147.1    2.33     .96   1479.
  125   6.58   33.98     124    26.69  137.6    2.69    1.37   1478.
  150   6.46   33.99     149    26.72  135.7    3.03    1.85   1478.
  175   6.39   34.00     174    26.73  134.4    3.37    2.41   1478.
  200   6.27   34.01     199    26.76  132.2    3.70    3.05   1478.
  225   6.18   34.03     223    26.78  130.2    4.03    3.76   1478.
  250   6.11   34.03     248    26.79  129.4    4.36    4.54   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 15
48-8.8 N 125-11.1 W
MO.-7 DAY-24 9.3
31
32
33
34
35
SALINITY, O/OO

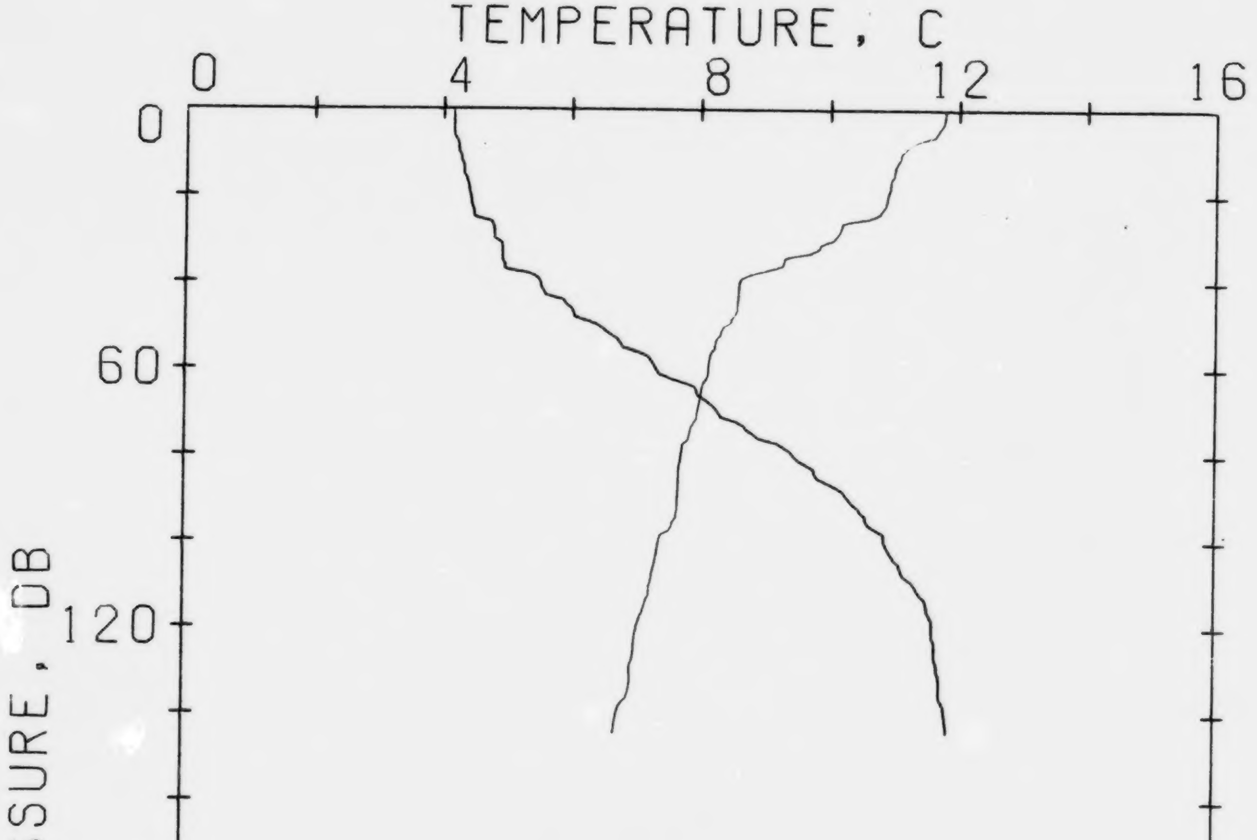
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 15        DATE 24/ 7/84
POSITION  48- 8.8N, 125-11.1W   GMT  9.3    STATION S 5
RESULTS OF STP CAST   171 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T                D       EN
    0   13.56   31.71       0    23.76  414.8      .00      .00   1499.
   10   12.00   31.73      10    24.08  384.7      .40      .02   1494.
   20   10.24   31.96      20    24.57  338.2      .77      .08   1488.
   30    8.64   32.48      30    25.23  275.3     1.07      .15   1483.
   50    8.04   33.00      50    25.73  228.4     1.57      .35   1481.
   75    7.18   33.58      75    26.30  174.6     2.06      .66   1479.
  100    6.78   33.88      99    26.59  147.4     2.46     1.02   1478.
  125    6.64   33.95     124    26.66  140.6     2.81     1.42   1478.
  150    6.40   33.99     149    26.72  134.9     3.16     1.91   1478.
  175    6.29   34.01     174    26.75  132.4     3.49     2.47   1478.
  200    6.16   34.03     199    26.79  129.5     3.82     3.09   1478.
  225    6.05   34.04     223    26.81  127.8     4.14     3.78   1478.
  250    5.86   34.06     248    26.85  123.7     4.45     4.54   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 16
48-9.9 N 125-16.6 W
MO.-7 DAY-24 10.0

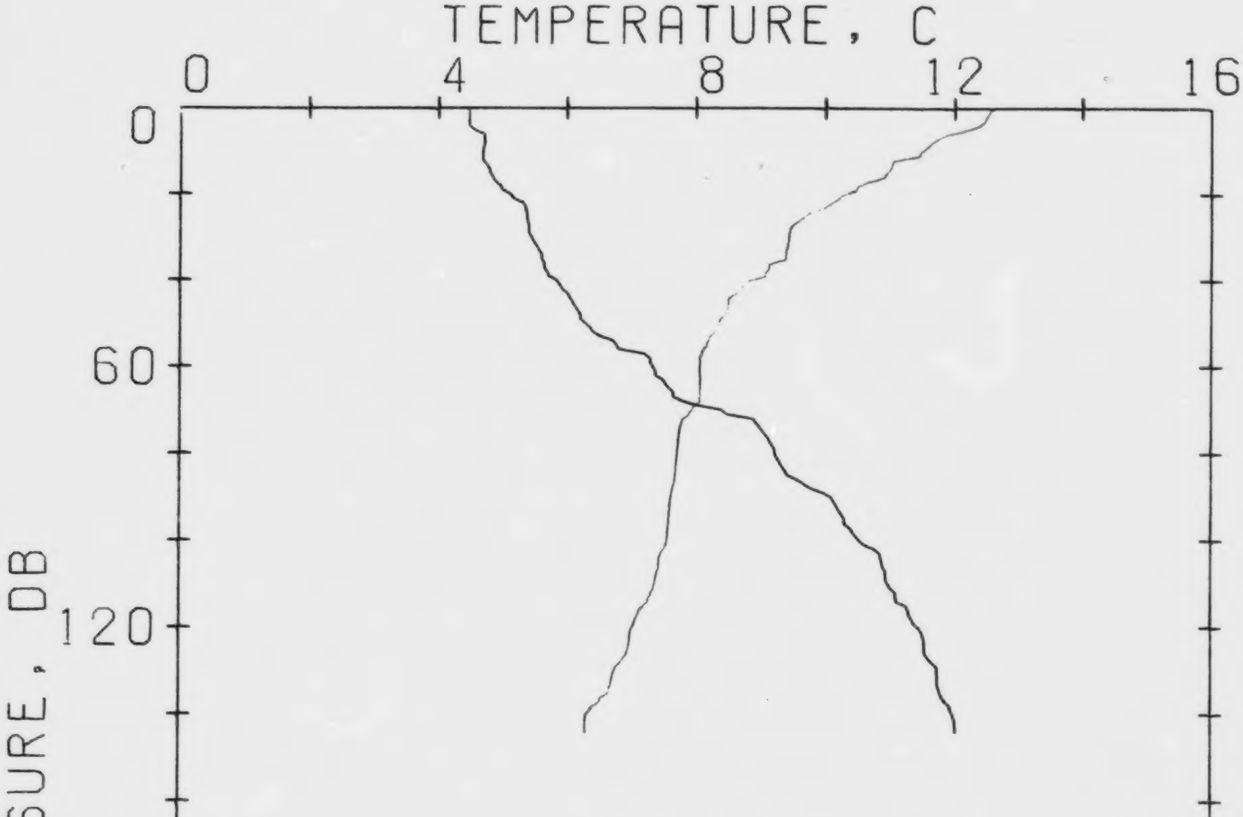
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 16          DATE 24/ 7/84
POSITION  48- 9.9N, 125-16.6W   GMT 10.0    STATION S 6
RESULTS OF STP CAST   107 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   14.09   31.68        0    23.63   427.3     .00     .00   1500.
   10   13.73   31.70       10    23.72   419.0     .43     .02   1499.
   20   11.12   31.94       20    24.40   354.2     .80     .08   1491.
   30    9.48   32.18       30    24.86   310.1    1.14     .16   1485.
   50    8.07   32.99       50    25.71   229.6    1.66     .37   1481.
   75    7.31   33.53       75    26.24   180.1    2.17     .69   1480.
  100    6.76   33.87       99    26.58   147.8    2.58    1.05   1478.
  125    6.76   33.91      124    26.61   145.2    2.94    1.47   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 17
48-11.4 N 125-24.8 W
MO.-7 DAY-24 10.8

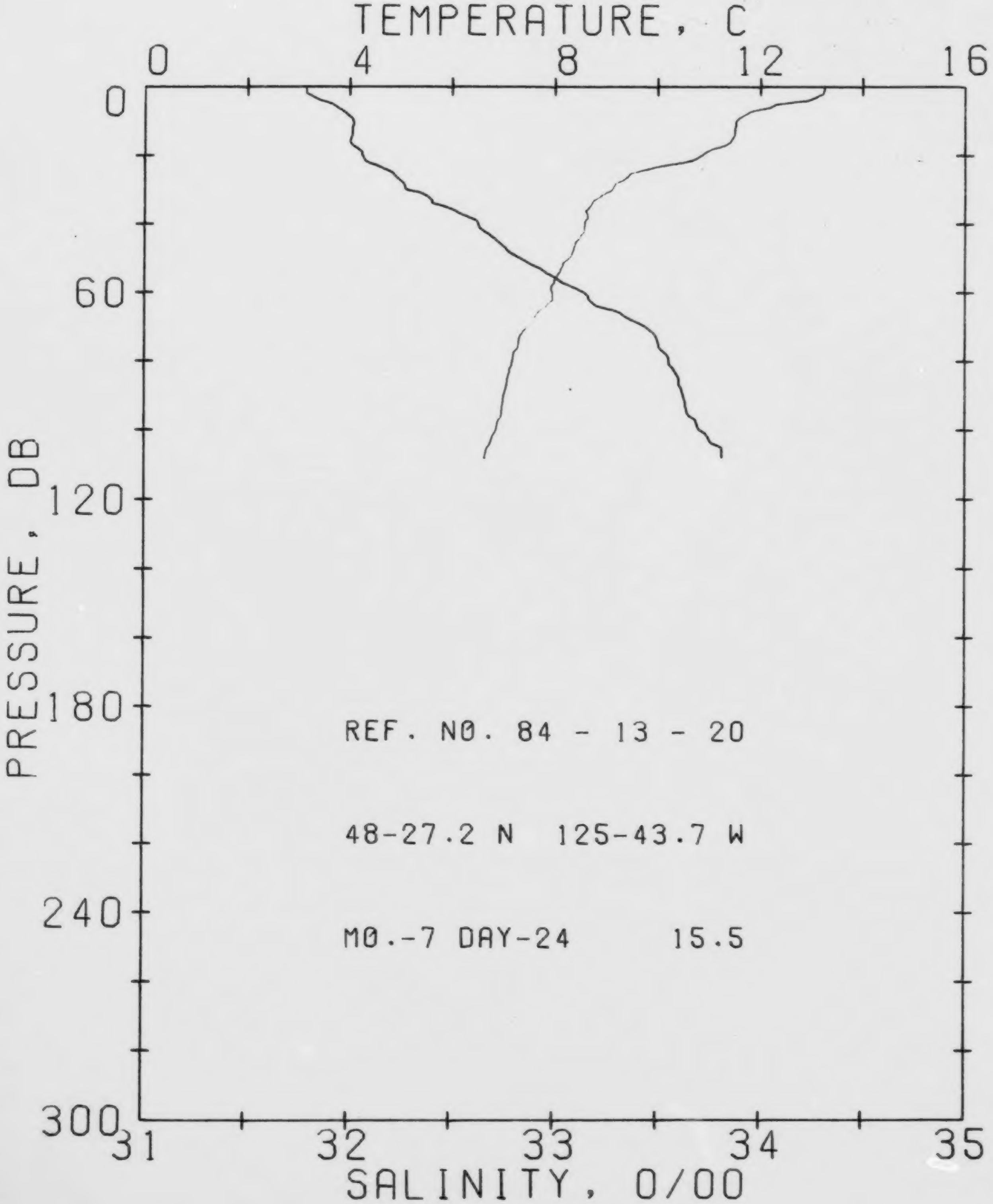
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 17         DATE 24/ 7/84
POSITION  48-11.4N, 125-24.8W   GMT 10.8    STATION S 7
RESULTS OF STP CAST    98 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D       EN
    0   13.67   31.76        0    23.78   413.2     .00      .00    1499.
   10   13.35   31.77       10    23.85   406.6     .41      .02    1498.
   20   11.69   31.92       20    24.28   365.5     .80      .08    1493.
   30    9.96   32.14       30    24.75   320.7    1.14      .17    1487.
   50    7.99   33.07       50    25.78   223.2    1.68      .38    1481.
   75    7.49   33.66       75    26.31   172.9    2.16      .69    1480.
  100    6.96   33.91       99    26.59   147.5    2.56     1.04    1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 84 - 13 - 18
48-12.9 N 125-33.7 W
M0.-7 DAY-24 11.8
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 18         DATE 24/ 7/84
POSITION  48-12.9N, 125-33.7W   GMT 11.8     STATION B 8
RESULTS OF STP CAST   120 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D
   0    11.79    32.04       0    24.36   358.0     .00     .00   1493.
  10    11.11    32.06      10    24.49   345.0     .35     .02   1491.
  20    10.90    32.11      20    24.57   338.2     .70     .07   1490.
  30    10.07    32.20      30    24.78   317.9    1.02     .15   1488.
  50     8.37    32.61      50    25.37   262.1    1.60     .39   1482.
  75     7.85    33.22      75    25.92   210.5    2.19     .76   1481.
 100     7.39    33.72      99    26.38   167.4    2.66    1.17   1481.
 125     7.02    33.92     124    26.59   147.9    3.05    1.62   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 84 - 13 - 19
48-22.8 N 125-49.4 W
M0.-7 DAY-24 14.6
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 19        DATE 24/ 7/84
POSITION  48-22.8N, 125-49.4W   GMT 14.6    STATION C 7
RESULTS OF STP CAST   120 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                   T               D        EN
    0   12.60   32.12       0    24.27   366.6     .00      .00   1496.
   10   11.48   32.17      10    24.51   343.2     .36      .02   1492.
   20   10.28   32.28      20    24.81   315.2     .69      .07   1488.
   30    9.44   32.36      30    25.01   296.2     .99      .15   1485.
   50    8.36   32.57      50    25.34   264.9    1.55      .37   1482.
   75    7.75   33.26      75    25.97   205.7    2.14      .75   1481.
  100    7.57   33.64      99    26.29   175.8    2.62     1.17   1481.
  125    6.96   33.89     124    26.57   149.4    3.02     1.63   1479.
```

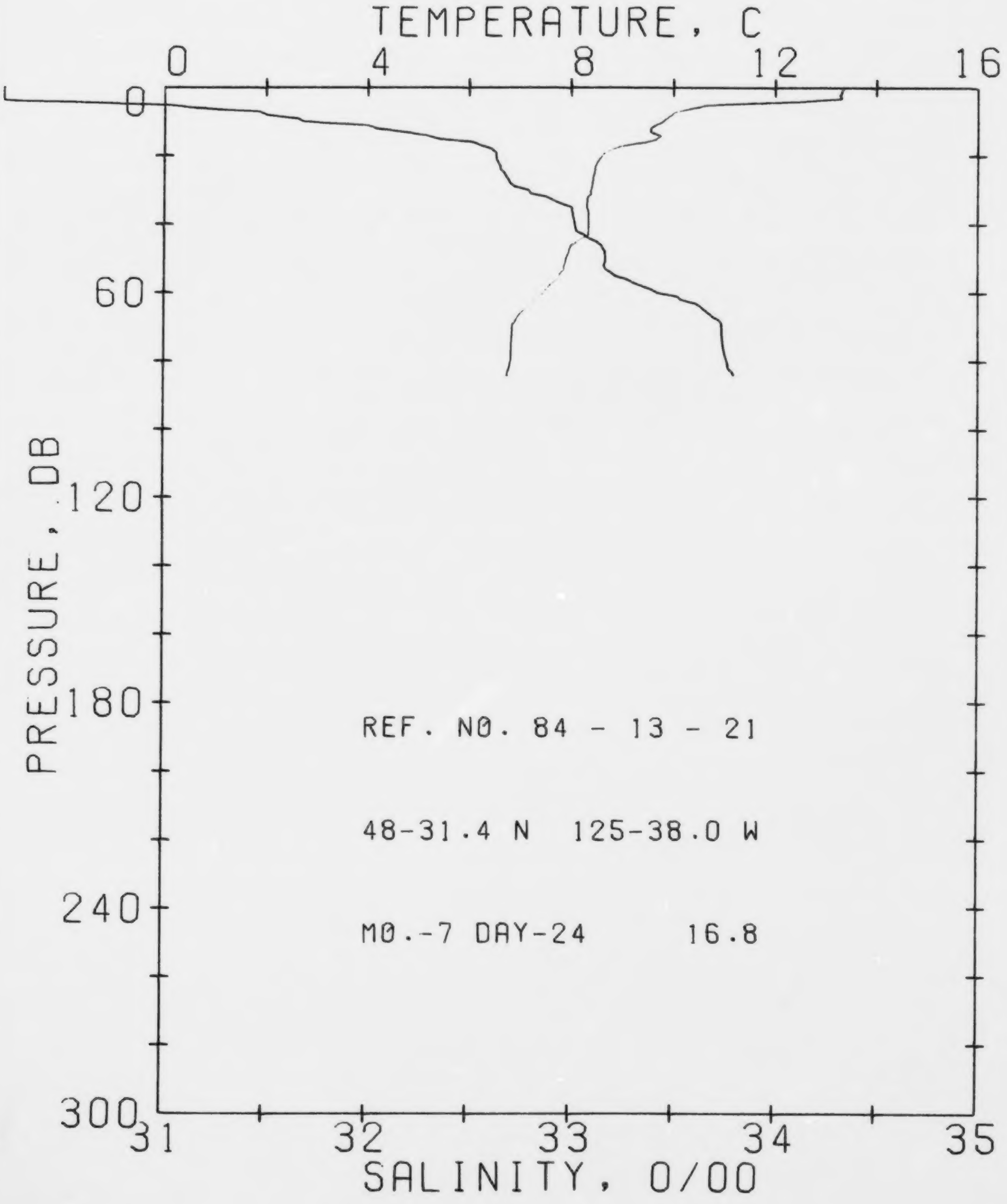


REF. NO. 84 - 13 - 20

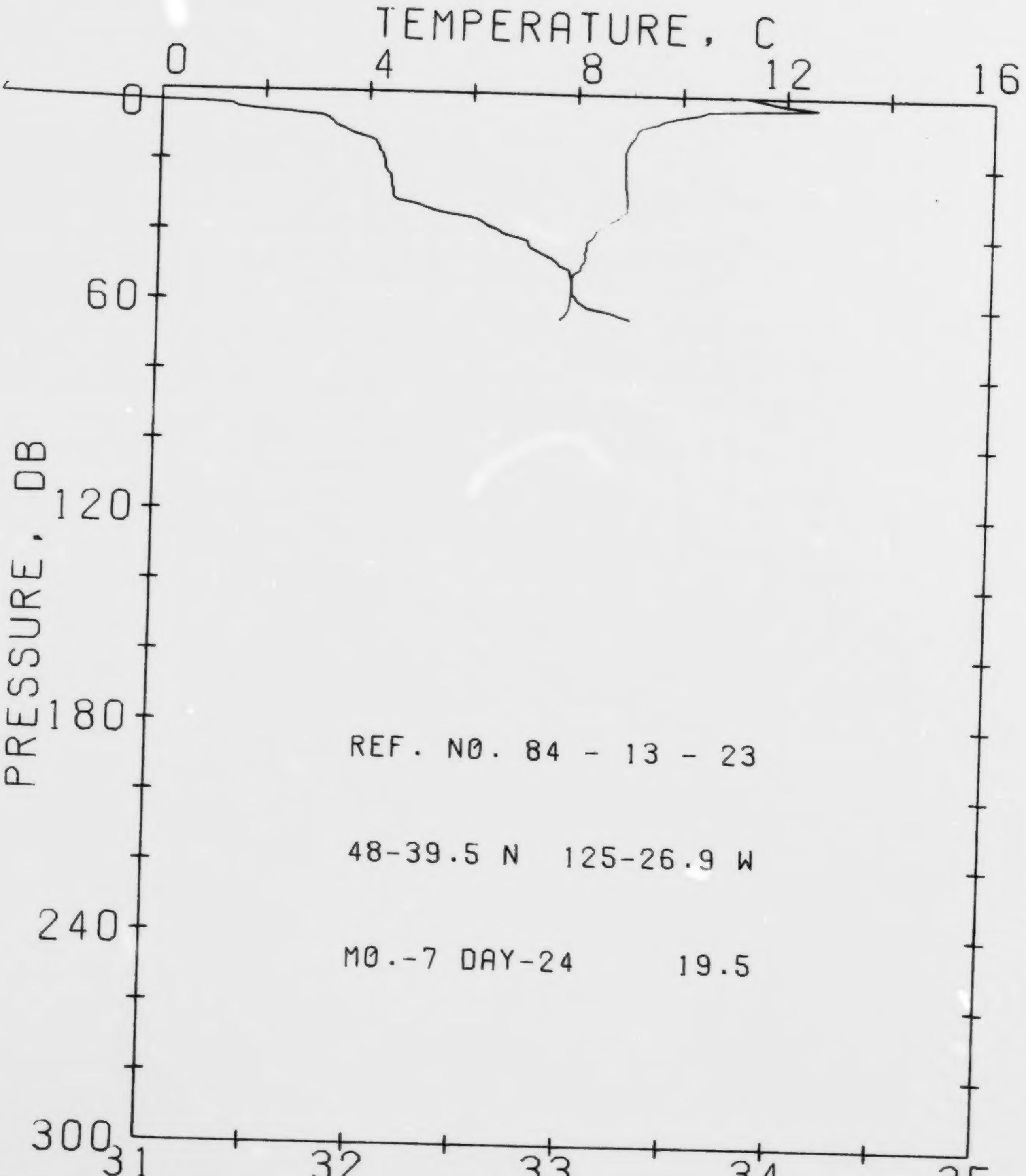
48-27.2 N 125-43.7 W

MO.-7 DAY-24 15.5

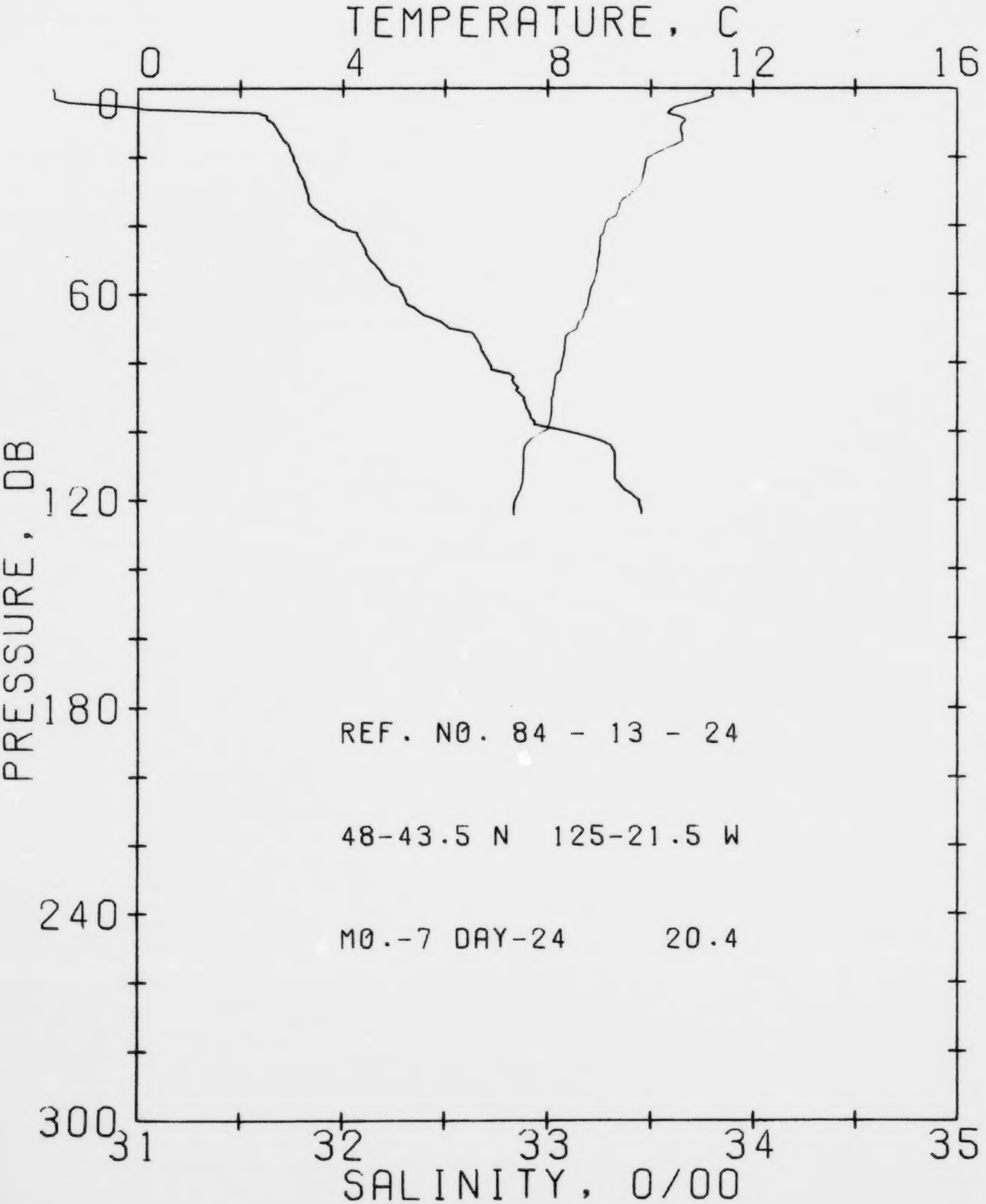
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 20         DATE 24/ 7/84
POSITION  48-27.2N, 125-43.7W   GMT 15.5    STATION C 6
RESULTS OF STP CAST    96 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   13.26   31.79       0    23.88   403.2     .00     .00   1498.
   10   11.53   32.02      10    24.39   355.1     .38     .02   1492.
   20   10.86   32.06      20    24.54   341.0     .73     .07   1490.
   30    9.12   32.27      30    24.99   298.0    1.05     .15   1484.
   50    8.28   32.83      50    25.56   244.4    1.58     .37   1482.
   75    7.30   33.51      75    26.22   181.4    2.11     .70   1479.
  100    6.87   33.71      99    26.44   161.2    2.53    1.08   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 21
48-31.4 N 125-38.0 W
MO.-7 DAY-24 16.8

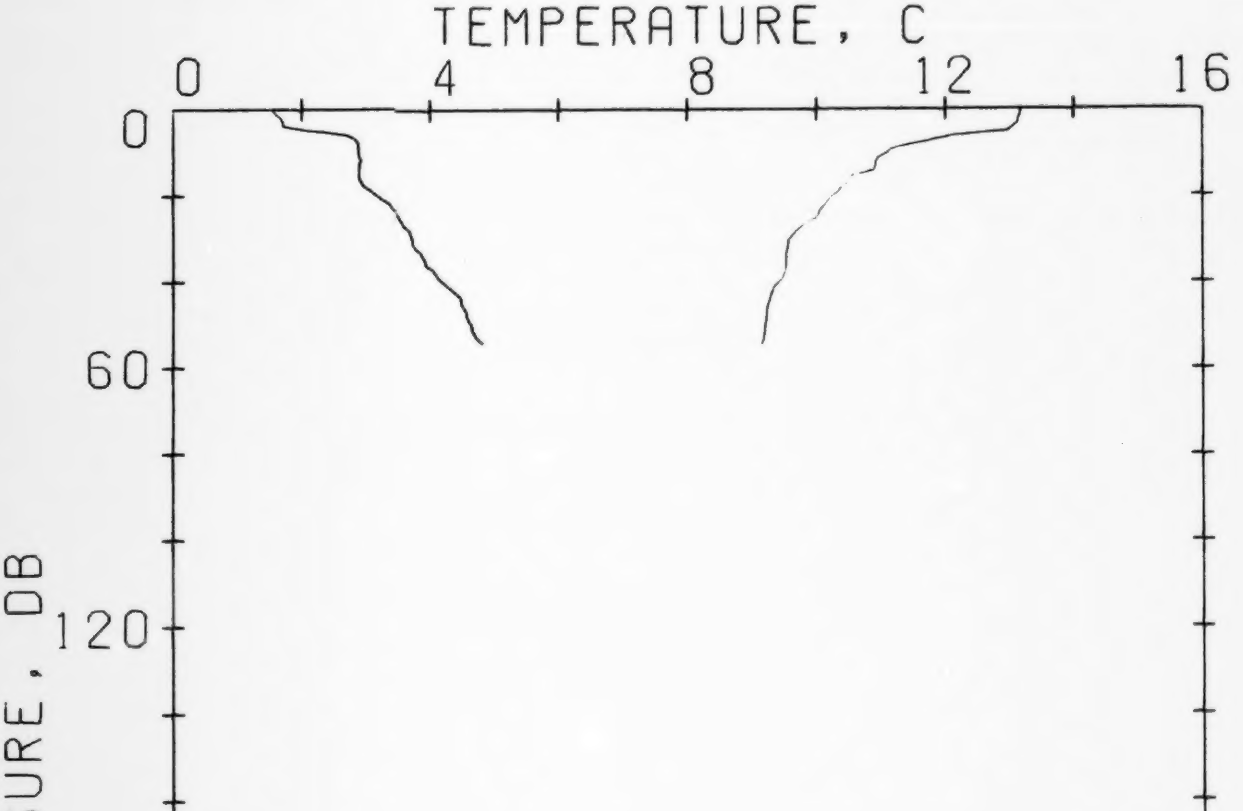
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 21         DATE 24/ 7/84
POSITION  48-31.4N, 125-38.0W   GMT 16.8    STATION C 5
RESULTS OF STP CAST    68 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                  T               D       EN
   0   13.36   30.21       0    22.65  521.2      .00      .00  1496.
  10    9.79   31.68      10    24.42  351.6      .44      .02  1486.
  20    8.60   32.63      20    25.35  263.5      .74      .07  1482.
  30    8.39   32.79      30    25.51  248.7     1.00      .13  1482.
  50    7.89   33.17      50    25.87  214.4     1.45      .32  1481.
  75    6.82   33.74      75    26.47  157.6     1.91      .60  1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 23
48-39.5 N 125-26.9 W
MO.-7 DAY-24 19.5

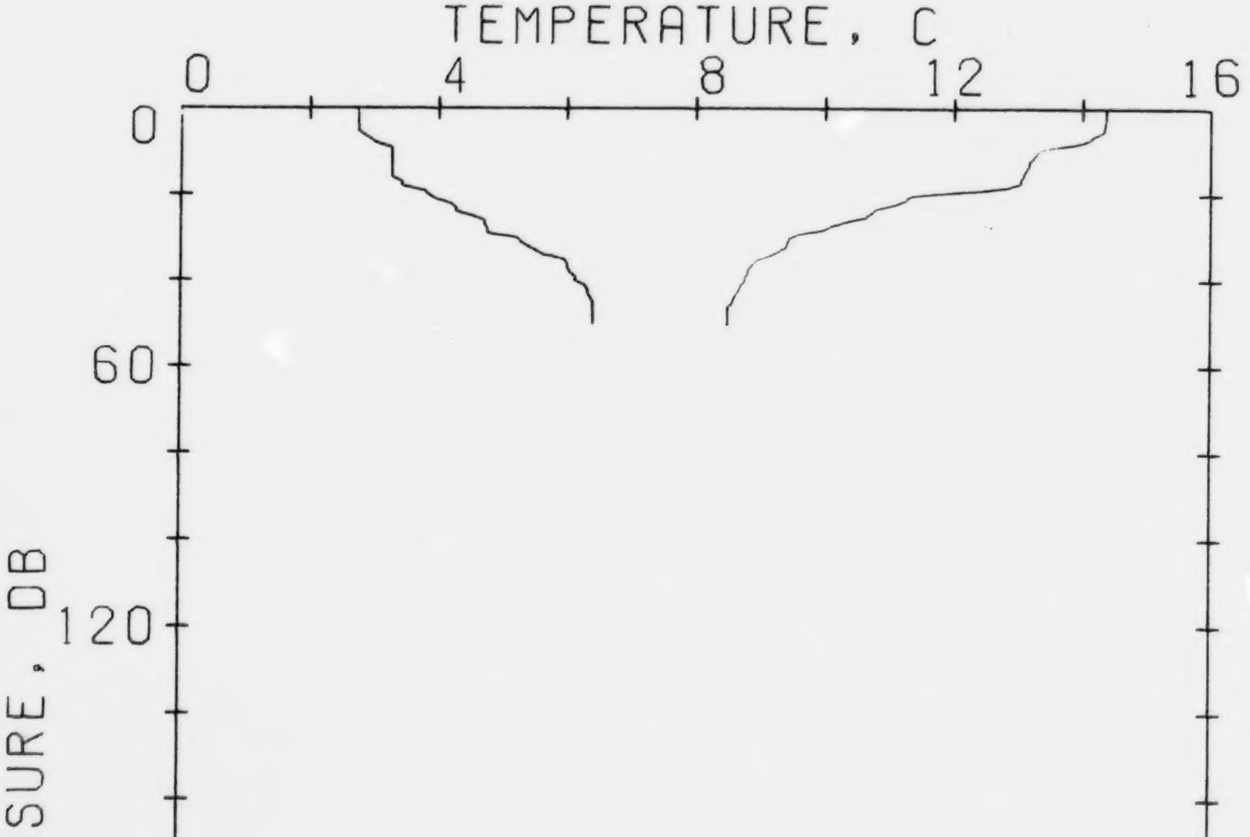
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 23        DATE 24/ 7/84
POSITION  48-39.5N, 125-26.9W   GMT 19.5    STATION C 3
RESULTS OF STP CAST    60 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH   SIGMA    SVA   DELTA    POT.  SOUND
                                  T              D       EN
    0   11.25   30.25       0   23.07  480.8     .00     .00  1489.
   10    9.16   31.84      10   24.65  330.2     .40     .02  1483.
   20    8.93   32.08      20   24.87  309.1     .71     .07  1483.
   30    8.97   32.12      30   24.90  306.9    1.02     .15  1483.
   50    8.11   32.97      50   25.69  231.6    1.55     .36  1482.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 13 - 24
48-43.5 N 125-21.5 W
M0.-7 DAY-24 20.4

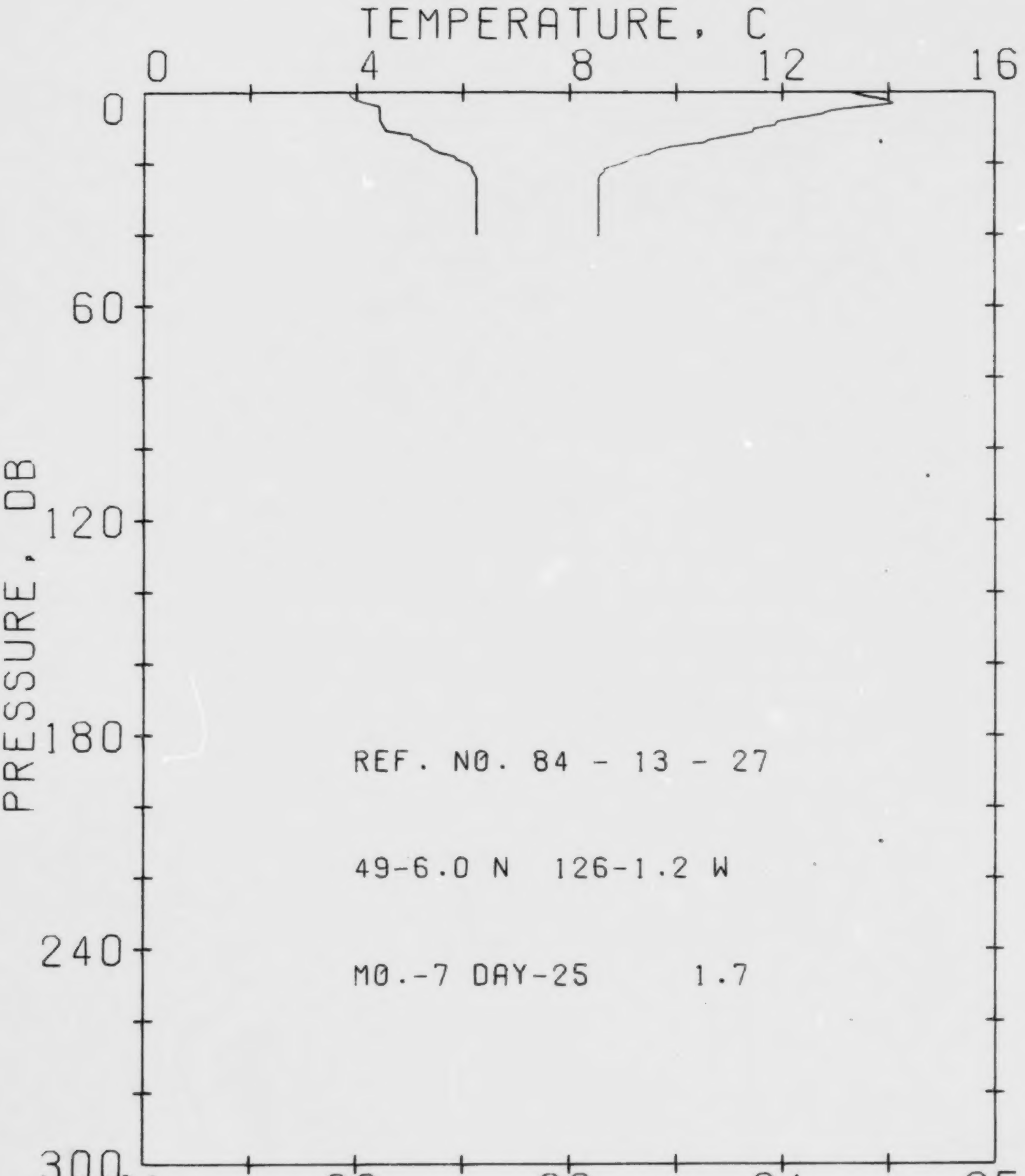
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 24        DATE 24/ 7/84
POSITION  48-43.5N, 125-21.5W   GMT 20.4    STATION C 2
RESULTS OF STP CAST   110 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T                D        EN
    0   11.24   30.58       0    23.33   456.3     .00      .00    1489.
   10   10.60   31.66      10    24.27   366.0     .41      .02    1488.
   20    9.94   31.76      20    24.46   348.2     .77      .07    1486.
   30    9.63   31.82      30    24.56   339.1    1.12      .16    1485.
   50    8.96   32.13      50    24.91   306.3    1.76      .42    1484.
   75    8.32   32.67      75    25.43   257.3    2.47      .88    1482.
  100    7.88   33.11      99    25.83   219.5    3.08     1.42    1482.
  125    7.33   33.46     124    26.18   186.3    3.59     1.99    1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 25
48-46.3 N 125-17.2 W
MO.-7 DAY-24 21.0

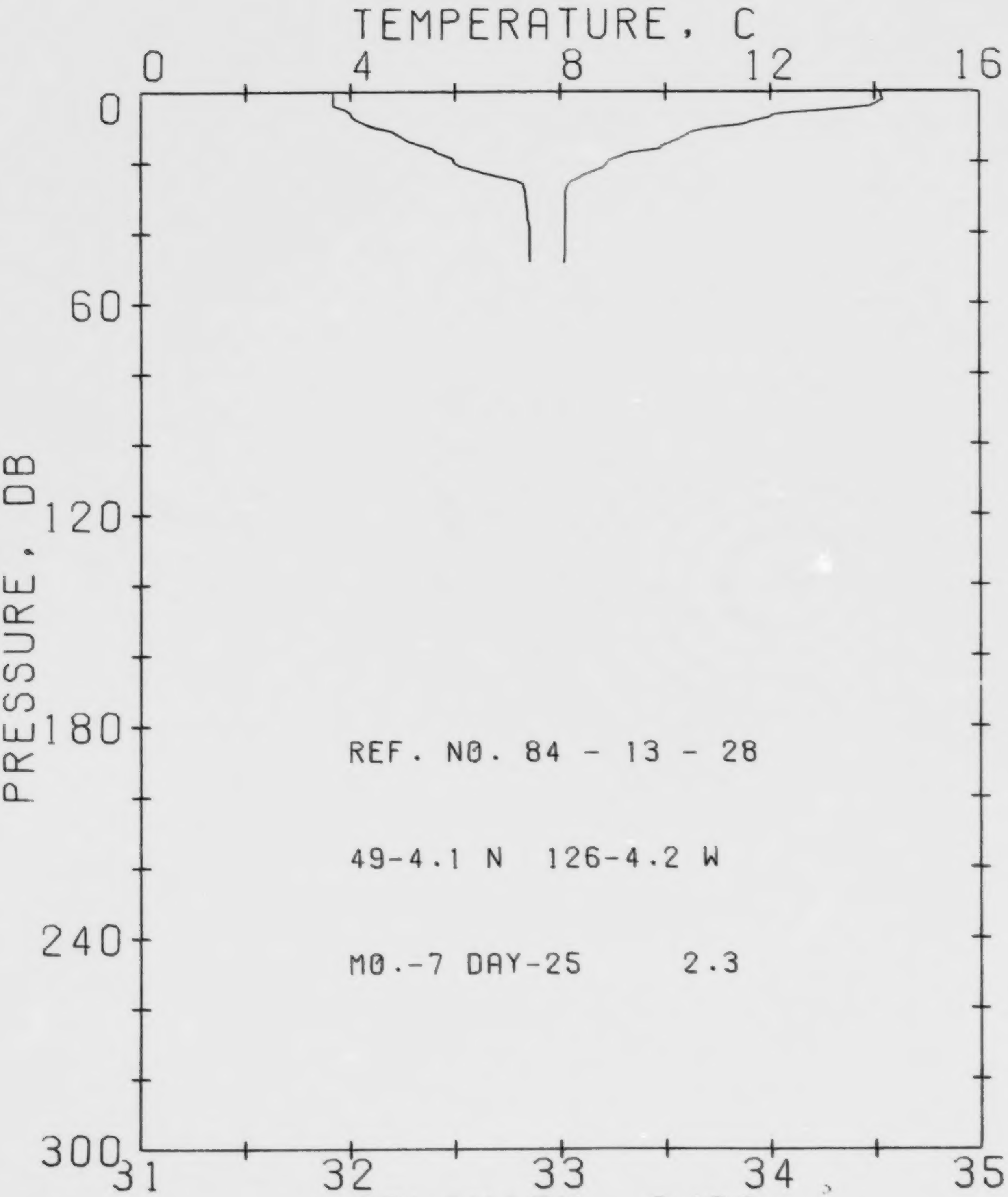
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 25        DATE 24/ 7/84
POSITION  48-46.3N, 125-17.2W   GMT 21.0    STATION C 1
RESULTS OF STP CAST     53 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D       EN
   0    13.18    31.39       0    23.59   431.1    .00      .00   1497.
  10    11.11    31.72      10    24.23   370.1    .41      .02   1490.
  20    10.24    31.79      20    24.44   350.8    .77      .08   1487.
  30     9.57    31.93      30    24.65   330.0   1.11      .16   1485.
  50     9.20    32.16      50    24.89   307.7   1.74      .42   1485.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. N0. 84 - 13 - 26
48-56.5 N 125-20.8 W
M0.-7 DAY-24 23.8
31
32
33
34
35
SALINITY, 0/00

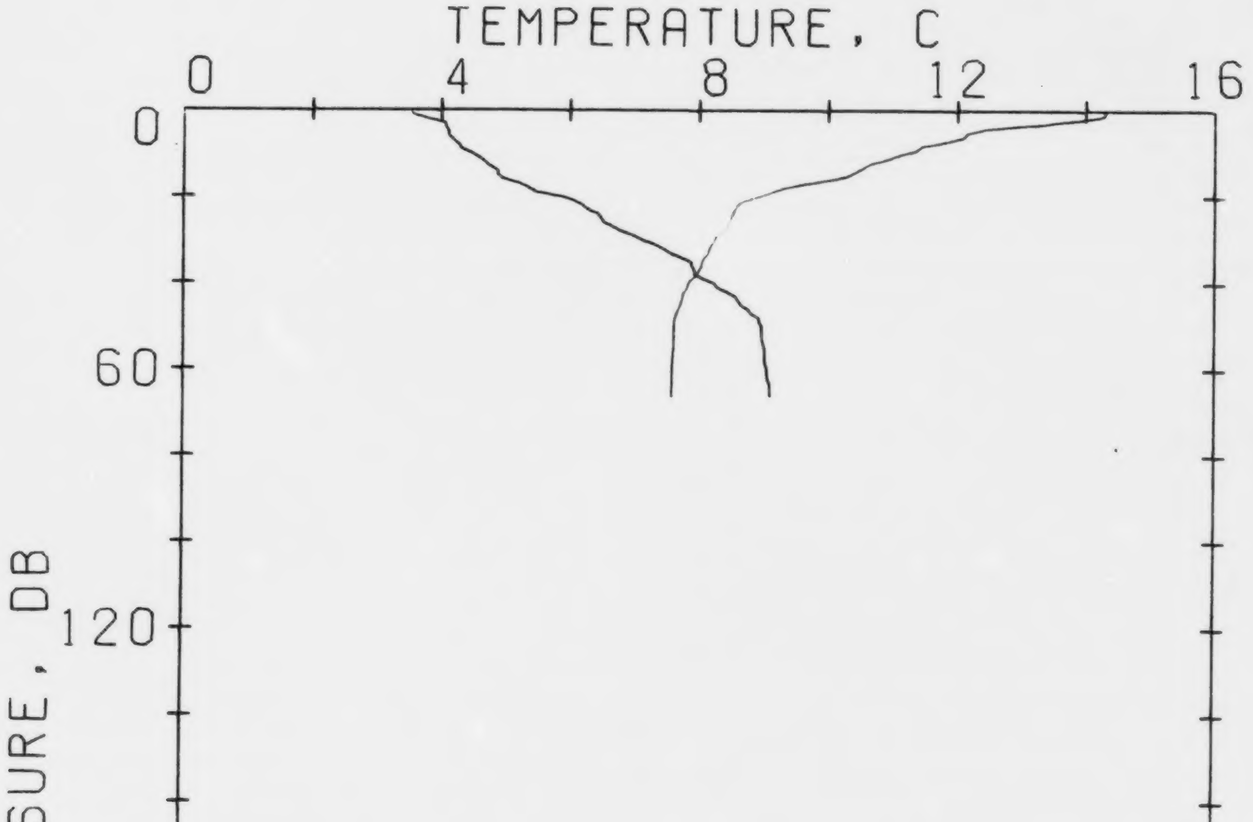
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 26        DATE 24/ 7/84
POSITION  48-56.5N, 125-20.8W   GMT 23.8    STATION D 3
RESULTS OF STP CAST    47 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    14.37    31.69       0    23.58   432.1     .00      .00   1501.
  10    13.31    31.82      10    23.90   402.1     .42      .02   1498.
  20    11.34    31.96      20    24.38   356.5     .82      .08   1492.
  30     9.45    32.31      30    24.97   300.0    1.15      .17   1485.
  50     8.50    32.60      50    25.34   264.7    1.70      .39   1483.

PRES  DEPTH      TEMP     SAL        PRES  DEPTH      TEMP     SAL

  0.            14.37    31.69       26.             10.34    32.18
  1.            14.37    31.69       27.             10.11    32.18
  2.            14.37    31.69       28.             10.00    32.19
  3.            14.36    31.69       29.              9.58    32.19
  4.            14.35    31.69       30.              9.45    32.31
  5.            14.34    31.69       31.              9.42    32.32
  6.            14.20    31.71       32.              9.41    32.35
  7.            14.12    31.74       33.              9.30    32.38
  8.            13.91    31.76       34.              9.16    32.41
  9.            13.37    31.82       35.              8.95    32.49
 12.            13.18    31.82       36.              8.89    32.50
 13.            13.17    31.82       37.              8.83    32.50
 14.            13.13    31.82       38.              8.81    32.51
 15.            13.09    31.82       39.              8.77    32.53
 16.            13.05    31.82       40.              8.76    32.53
 17.            13.04    31.86       41.              8.70    32.57
 18.            12.85    31.86       42.              8.68    32.58
 19.            12.19    31.95       43.              8.63    32.58
 20.            11.34    31.96       44.              8.59    32.59
 21.            11.25    31.99       45.              8.57    32.60
 22.            11.10    32.05       46.              8.50    32.60
 23.            10.81    32.07       49.              8.50    32.60
 24.            10.72    32.07       50.              8.50    32.60
 25.            10.64    32.14
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 27
49-6.0 N 126-1.2 W
MO.-7 DAY-25 1.7

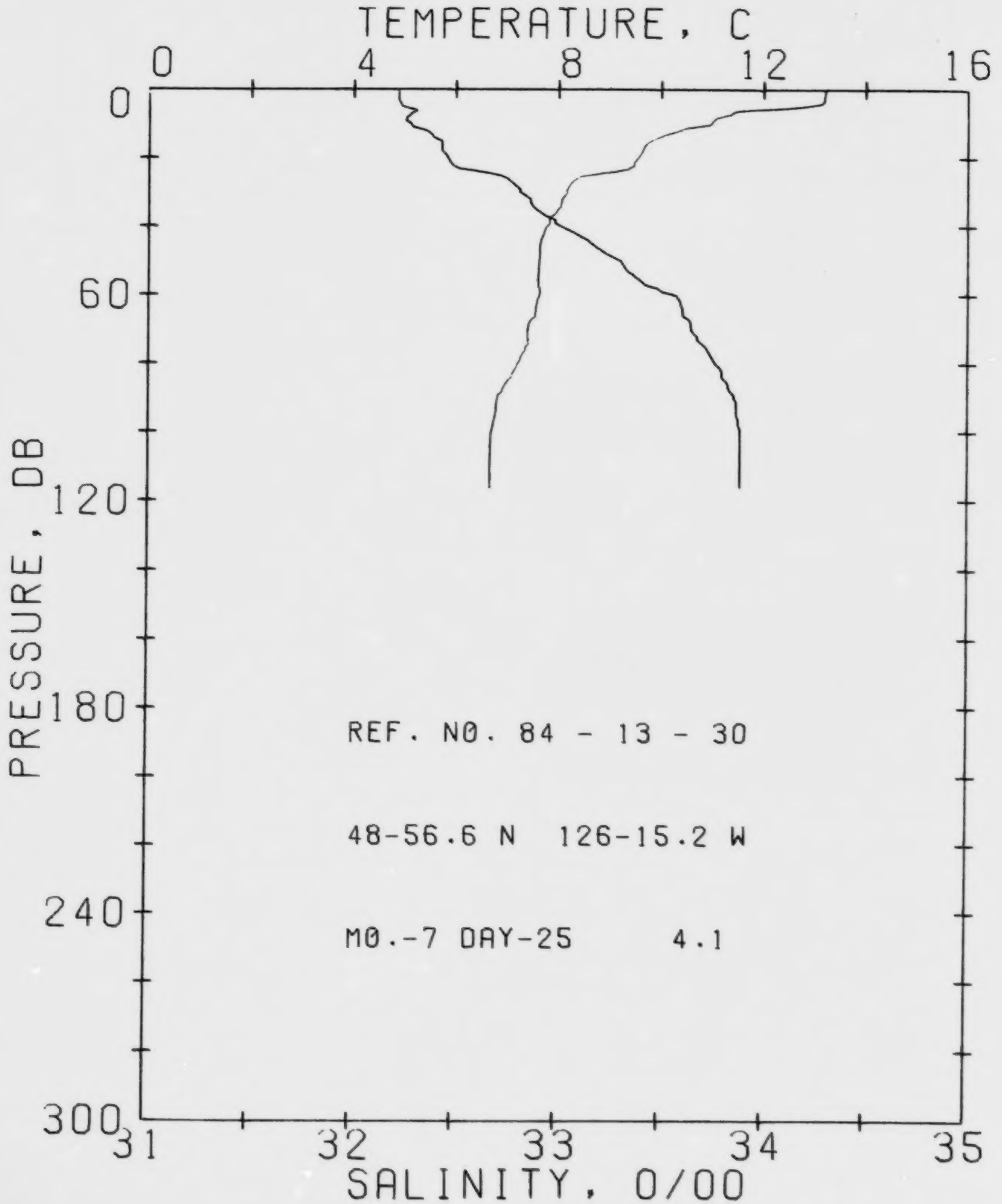
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 27         DATE 25/ 7/84
POSITION  49- 6.0N, 126- 1.2W   GMT  1.7    STATION E 1
RESULTS OF STP CAST    31 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
   0    13.30    31.97       0    24.01   390.7     .00      .00  1498.
  10    11.47    32.13      10    24.48   346.0     .38      .02  1492.
  20     8.94    32.52      20    25.21   276.6     .69      .07  1484.
  30     8.54    32.56      30    25.31   267.9     .95      .13  1482.

PRES  DEPTH       TEMP     SAL        PRES  DEPTH        TEMP     SAL

  0.             13.30   31.97         16.               9.63   32.35
  1.             13.56   31.97         17.               9.52   32.39
  2.             13.96   31.99         18.               9.19   32.46
  3.             14.09   32.04         19.               9.11   32.47
  4.             13.47   32.11         20.               8.94   32.52
  5.             12.91   32.11         21.               8.67   32.54
  6.             12.76   32.11         22.               8.66   32.54
  7.             12.32   32.11         23.               8.57   32.55
  8.             11.92   32.11         24.               8.54   32.56
  9.             11.88   32.12         27.               8.54   32.56
 10.             11.47   32.13         30.               8.54   32.56
 11.             11.45   32.14         33.               8.54   32.56
 12.             11.05   32.26         36.               8.54   32.56
 13.             10.64   32.26         39.               8.54   32.56
 14.             10.54   32.31         40.               8.54   32.56
 15.              9.92   32.34
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 28
49-4.1 N 126-4.2 W
MO.-7 DAY-25 2.3

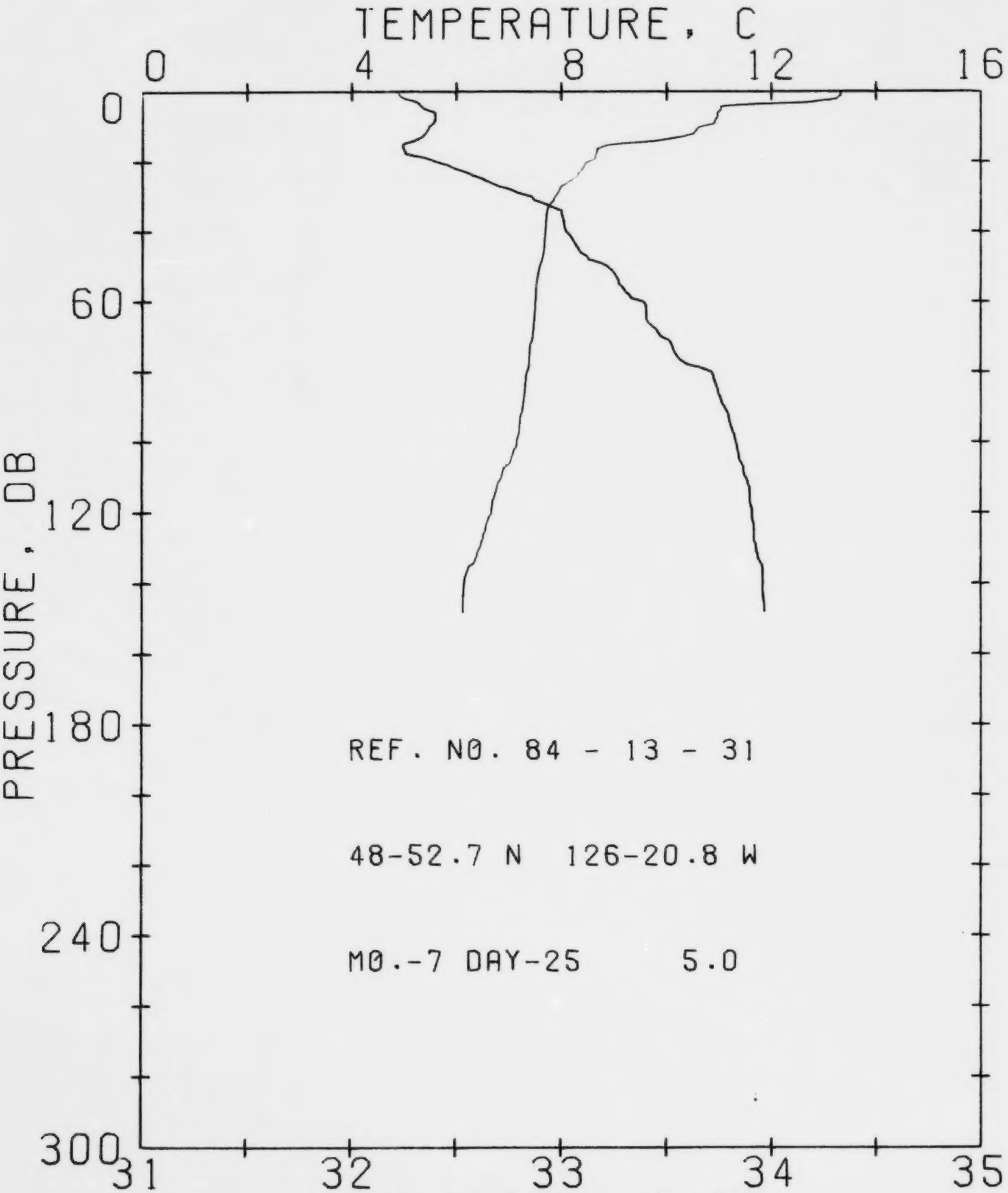
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 28          DATE 25/ 7/84
POSITION  49- 4.1N, 126- 4.2W    GMT  2.3    STATION E 2
RESULTS OF STP CAST    34 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL     DEPTH     SIGMA     SVA     DELTA     POT.    SOUND
                                       T                 D        EN
    0   14.10    31.92         0     23.81   409.9      .00      .00   1501.
   10   10.83    32.11        10     24.58   336.6      .38      .02   1490.
   20    8.90    32.49        20     25.20   278.2      .69      .06   1483.
   30    8.10    32.84        30     25.59   241.4      .94      .13   1481.
   50    8.07    32.85        50     25.60   240.0     1.42      .33   1481.

 PRES   DEPTH       TEMP     SAL          PRES   DEPTH        TEMP     SAL

   0.              14.10    31.92          17.                 9.30    32.41
   1.              14.12    31.92          18.                 9.17    32.45
   2.              14.17    31.92          19.                 8.94    32.49
   3.              14.05    31.92          20.                 8.90    32.49
   4.              13.92    31.92          21.                 8.84    32.52
   5.              13.10    31.98          23.                 8.50    32.64
   6.              12.10    32.00          24.                 8.38    32.71
   7.              11.98    32.01          25.                 8.22    32.79
   8.              11.65    32.03          26.                 8.15    32.82
   9.              11.47    32.07          28.                 8.10    32.83
  10.              10.83    32.11          29.                 8.10    32.83
  11.              10.49    32.20          34.                 8.10    32.84
  12.              10.41    32.22          36.                 8.10    32.84
  13.              10.27    32.25          38.                 8.09    32.85
  14.              10.11    32.28          39.                 8.09    32.85
  15.               9.95    32.33          45.                 8.09    32.85
  16.               9.91    32.39          48.                 8.08    32.85
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 29
49-0.4 N 126-9.6 W
MO.-7 DAY-25 3.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 29        DATE 25/ 7/84
POSITION  49-  .4N, 126- 9.6W   GMT  3.2    STATION E 3
RESULTS OF STP CAST    60 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
   0    14.32   31.89       0    23.74  416.4      .00     .00   1501.
  10    11.13   32.12      10    24.54  340.9      .37     .02   1491.
  20     8.88   32.47      20    25.18  279.4      .69     .07   1483.
  30     8.25   32.78      30    25.52  247.4      .95     .13   1481.
  50     7.62   33.25      50    25.98  204.7     1.40     .31   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 30
48-56.6 N 126-15.2 W
MO.-7 DAY-25 4.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 30          DATE 25/ 7/84
POSITION  48-56.6N, 126-15.2W   GMT  4.1    STATION E 4
RESULTS OF STP CAST   104 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D      EN
    0   13.20   32.22        0    24.23   370.4     .00     .00   1498.
   10   10.98   32.28       10    24.69   326.5     .35     .02   1491.
   20    9.54   32.46       20    25.07   290.1     .65     .06   1486.
   30    8.17   32.81       30    25.56   244.0     .92     .13   1481.
   50    7.63   33.31       50    26.02   200.4    1.36     .31   1480.
   75    7.37   33.72       75    26.38   166.7    1.82     .60   1480.
  100    6.70   33.89       99    26.61   145.5    2.20     .94   1478.
```

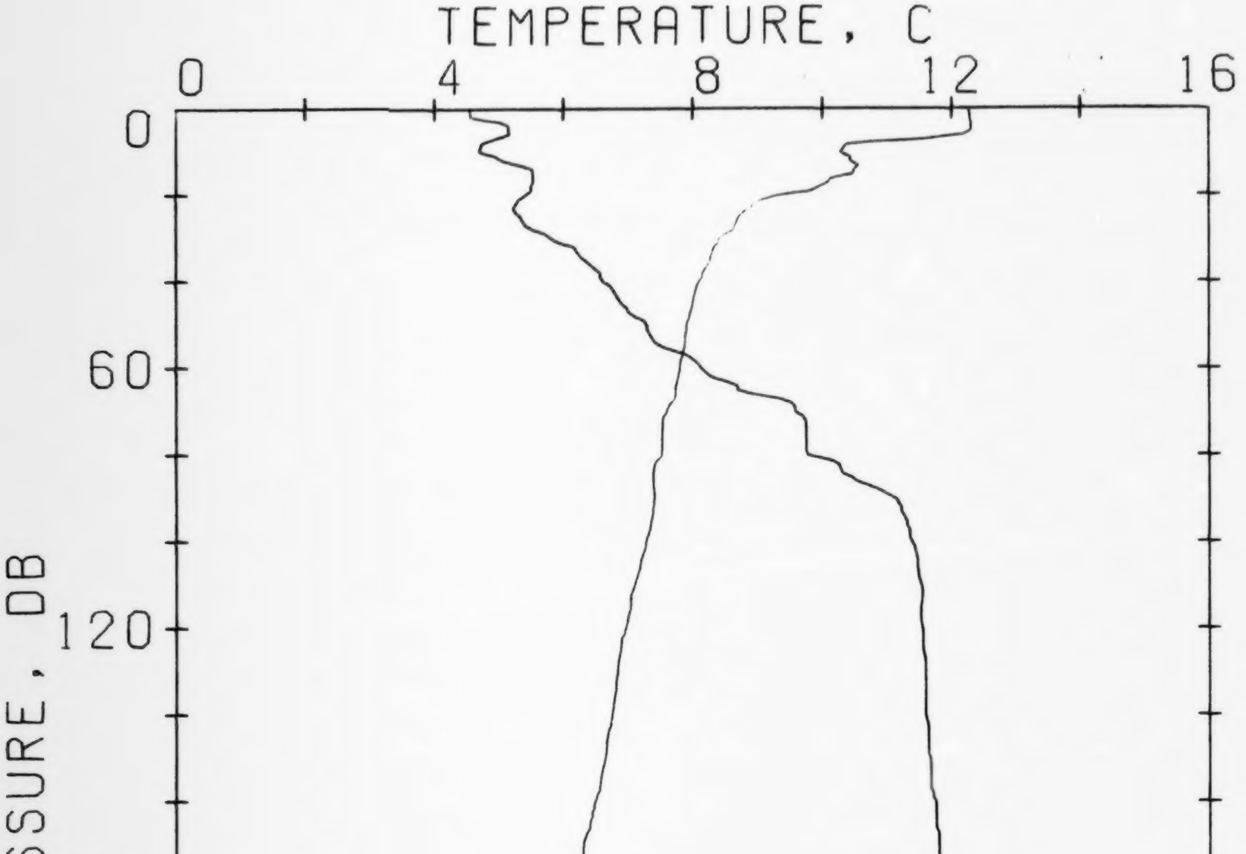


REF. NO. 84 - 13 - 31

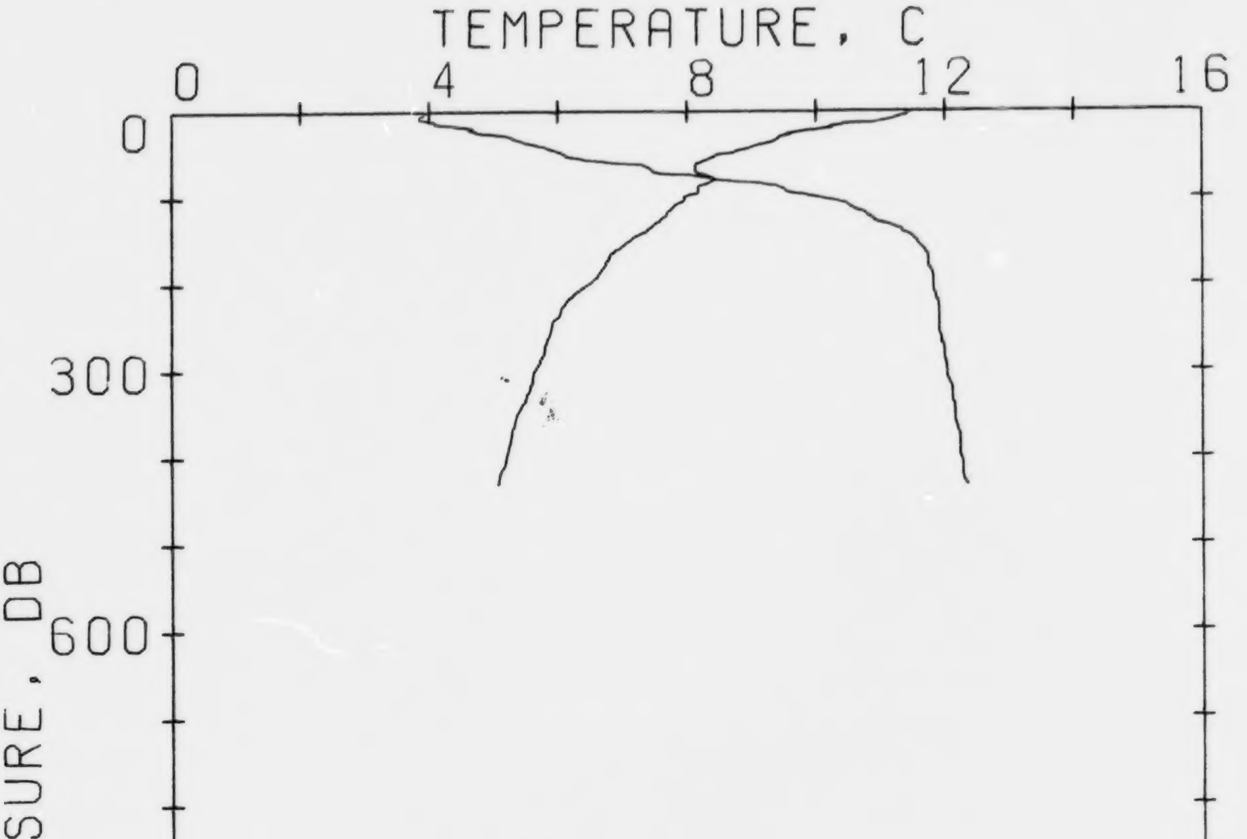
48-52.7 N 126-20.8 W

MO.-7 DAY-25 5.0

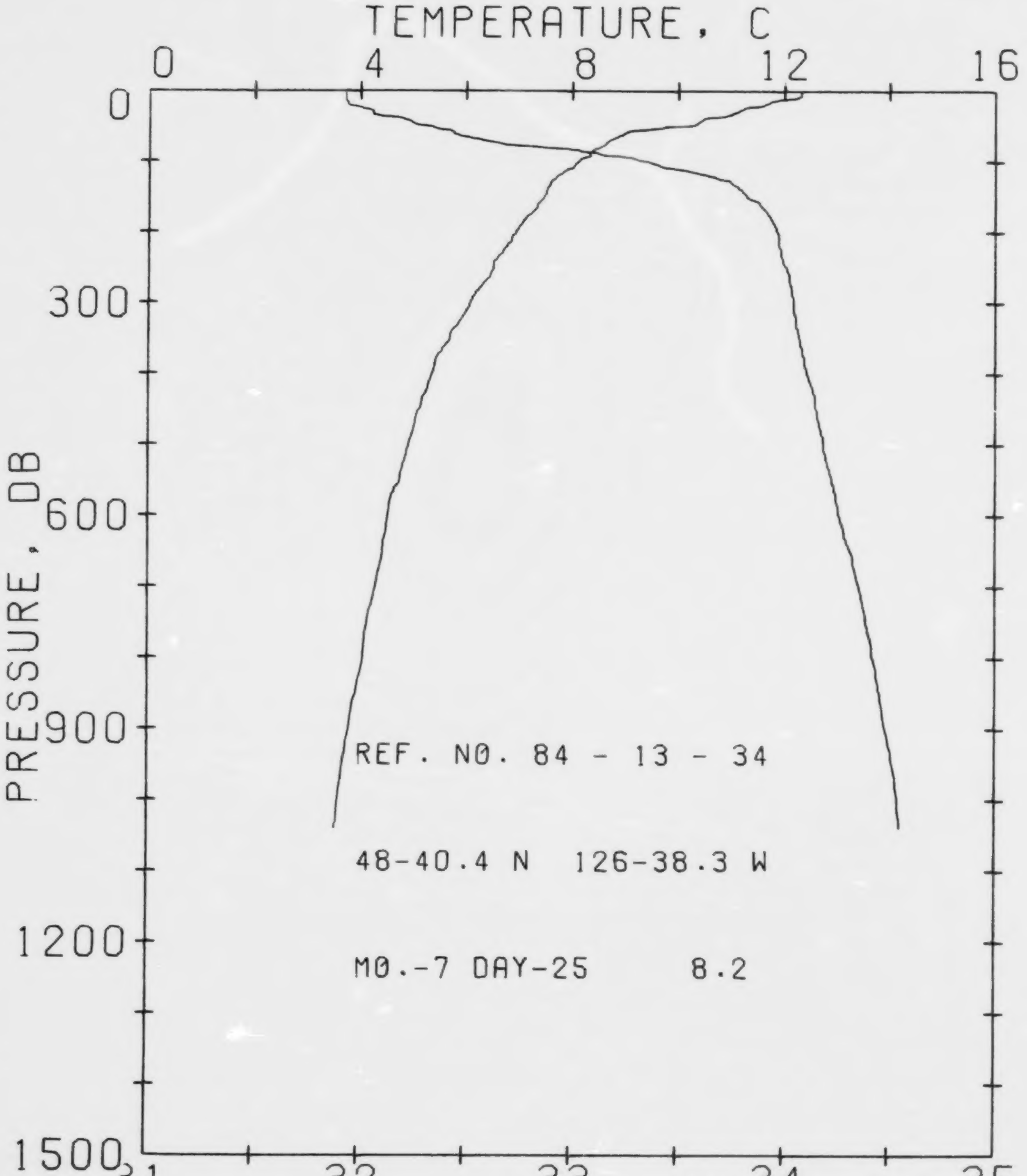
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 31         DATE 25/ 7/84
POSITION  48-52.7N, 126-20.8W   GMT  5.0     STATION E 5
RESULTS OF STP CAST   129 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   13.34   32.23       0    24.21   372.4     .00     .00   1499.
   10   10.63   32.37      10    24.82   314.0     .34     .02   1489.
   20    8.49   32.40      20    25.19   278.9     .64     .06   1482.
   30    7.89   32.87      30    25.64   236.4     .89     .13   1480.
   50    7.60   33.23      50    25.96   205.9    1.34     .31   1480.
   75    7.40   33.55      75    26.24   179.8    1.82     .61   1480.
  100    7.16   33.83      99    26.50   155.8    2.23     .98   1480.
  125    6.56   33.92     124    26.65   141.8    2.60    1.40   1478.
  150    6.12   33.97     149    26.74   132.9    2.94    1.88   1477.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 32
48-48.7 N 126-26.6 W
MO.-7 DAY-25 6.0
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 32         DATE 25/ 7/84
POSITION  48-48.7N, 126-26.6W    GMT  6.0    STATION E 6
RESULTS OF STP CAST   153 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    12.27    32.14       0    24.34   359.1     .00     .00   1495.
  10    10.27    32.17      10    24.73   323.0     .34     .02   1488.
  20     9.32    32.35      20    25.02   294.9     .65     .06   1485.
  30     8.42    32.45      30    25.24   274.3     .94     .14   1482.
  50     7.91    32.83      50    25.60   239.9    1.45     .34   1481.
  75     7.53    33.44      75    26.14   189.8    1.99     .68   1480.
 100     7.28    33.85      99    26.49   156.2    2.42    1.06   1480.
 125     6.88    33.89     124    26.58   148.3    2.79    1.50   1479.
 150     6.64    33.92     149    26.64   143.2    3.16    2.01   1479.
 175     6.28    33.95     174    26.71   136.7    3.51    2.58   1478.
 200     6.05    33.97     199    26.75   132.7    3.85    3.23   1477.
```

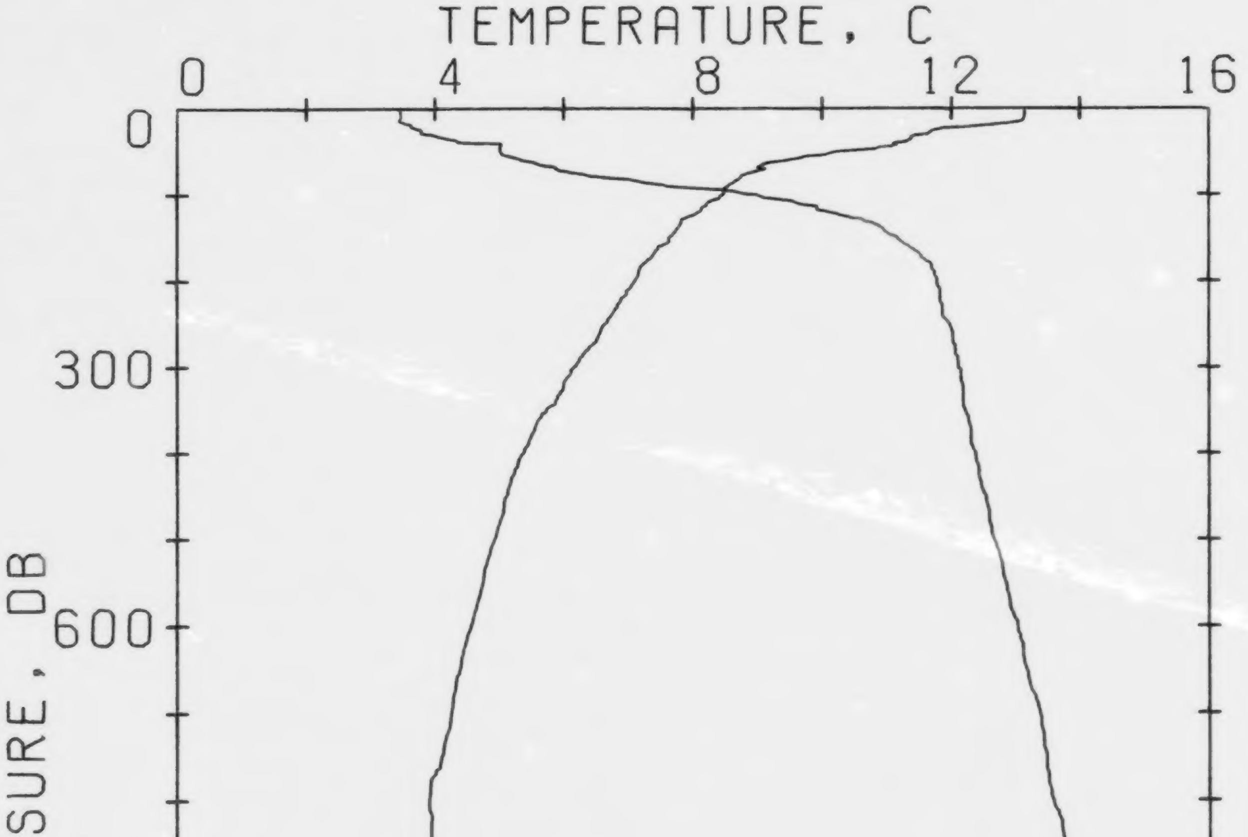

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. N0. 84 - 13 - 33
48-44.6 N 126-32.4 W
M0.-7 DAY-25 7.2
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 33          DATE 25/ 7/84
POSITION  48-44.6N, 126-32.4W    GMT  7.2     STATION E 7
RESULTS OF STP CAST   235 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T                D       EN
    0   11.47    31.98       0    24.37   356.8     .00      .00   1492.
   10   11.16    31.96      10    24.41   353.2     .36      .02   1491.
   20   10.20    32.17      20    24.74   322.0     .69      .07   1488.
   30    9.42    32.32      30    24.98   298.8    1.00      .15   1485.
   50    8.50    32.52      50    25.28   270.6    1.57      .38   1482.
   75    8.32    33.04      75    25.72   229.8    2.20      .78   1483.
  100    7.94    33.53      99    26.15   189.2    2.72     1.24   1482.
  125    7.60    33.73     124    26.35   169.9    3.17     1.75   1482.
  150    7.12    33.90     149    26.56   151.1    3.56     2.31   1481.
  175    6.74    33.94     174    26.64   143.5    3.93     2.91   1479.
  200    6.47    33.96     199    26.69   138.8    4.28     3.59   1479.
  225    6.09    33.98     223    26.76   132.8    4.62     4.32   1478.
  250    5.89    33.98     248    26.78   130.6    4.95     5.12   1477.
  300    5.63    34.01     298    26.84   125.7    5.59     6.92   1477.
  400    5.19    34.06     397    26.93   117.6    6.81    11.23   1477.
```

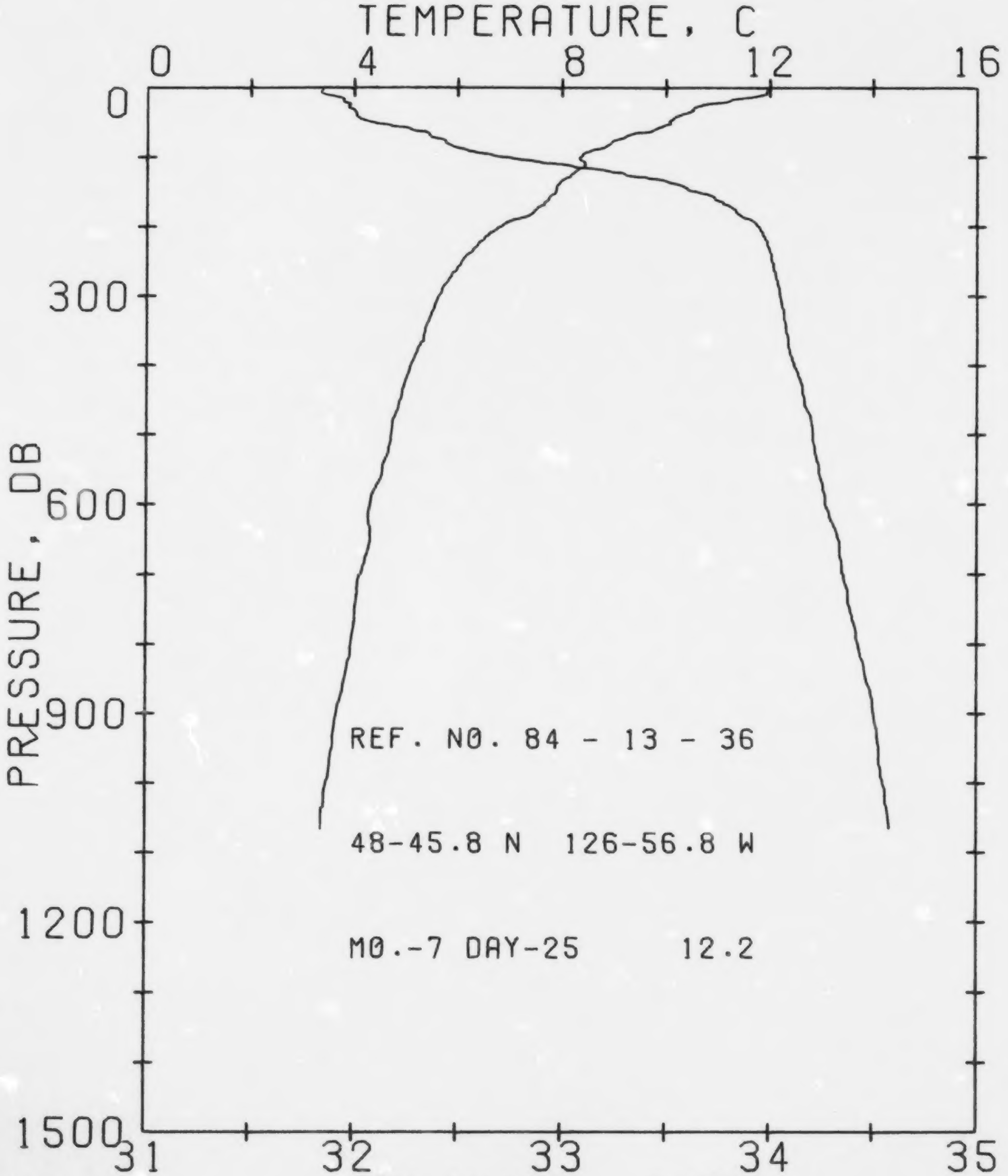

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 34
48-40.4 N 126-38.3 W
MO.-7 DAY-25 8.2

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 34 DATE 25/ 7/84
POSITION 48-40.4N, 126-38.3W GMT 8.2 STATION E 8
RESULTS OF STP CAST 352 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

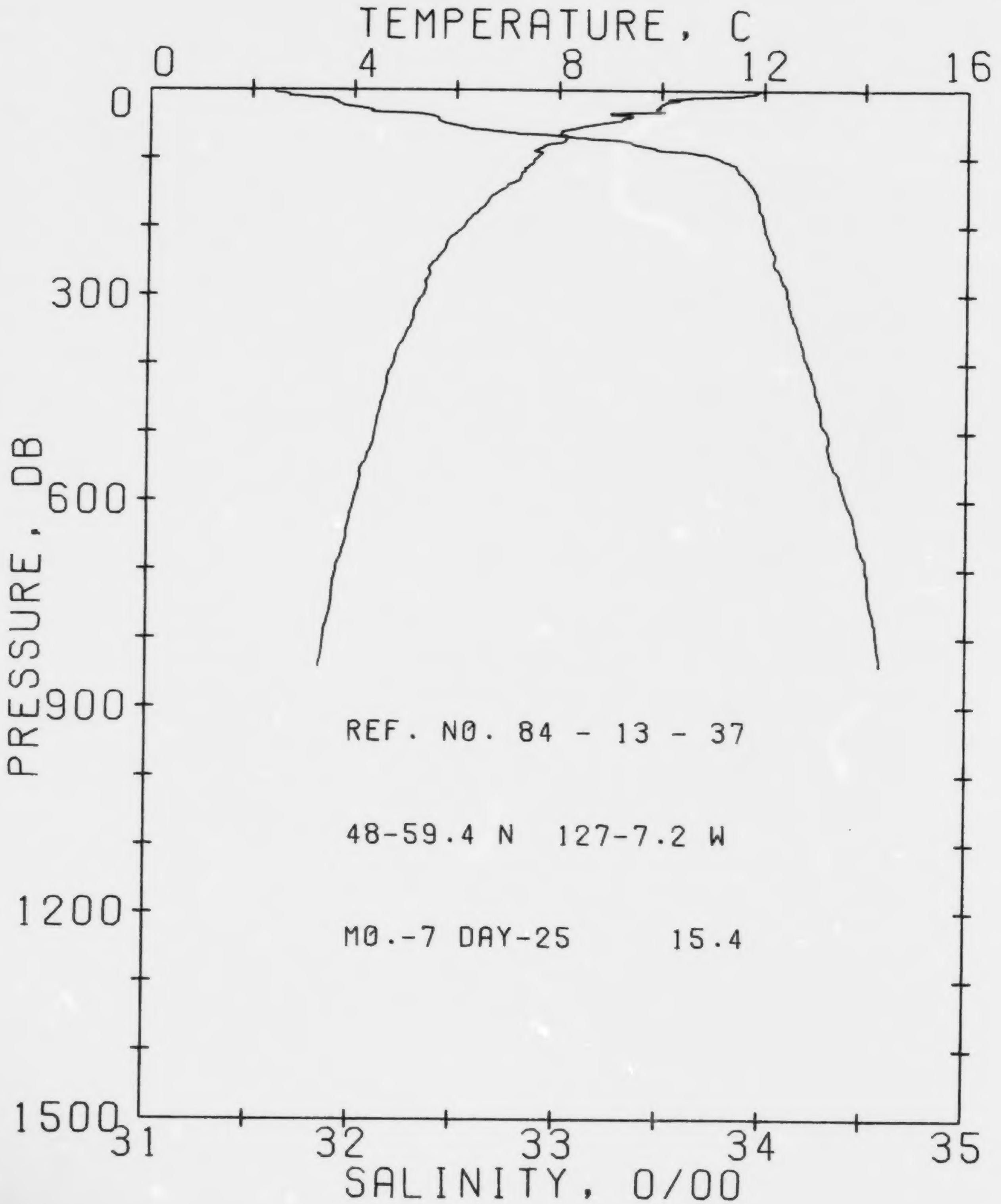
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.35	31.93	0	24.17	376.0	.00	.00	1495.
10	12.24	31.93	10	24.19	374.3	.38	.02	1495.
20	11.61	31.95	20	24.32	362.2	.74	.08	1493.
30	11.08	32.06	30	24.50	344.9	1.09	.16	1491.
50	9.78	32.34	50	24.94	303.3	1.75	.43	1487.
75	8.64	32.67	75	25.38	261.9	2.45	.88	1484.
100	8.12	33.36	99	26.00	203.6	3.02	1.38	1483.
125	7.66	33.71	124	26.33	172.3	3.49	1.92	1482.
150	7.49	33.83	149	26.45	161.4	3.90	2.50	1482.
175	7.19	33.93	174	26.57	150.2	4.29	3.14	1481.
200	6.95	33.97	199	26.64	143.9	4.66	3.84	1481.
225	6.72	33.99	223	26.68	140.2	5.01	4.61	1480.
250	6.55	34.02	248	26.73	136.0	5.36	5.44	1480.
300	6.09	34.05	298	26.81	128.5	6.02	7.29	1479.
400	5.37	34.11	397	26.95	116.3	7.24	11.64	1478.
500	4.92	34.19	496	27.06	106.1	8.34	16.70	1478.
600	4.53	34.26	595	27.17	96.8	9.36	22.37	1478.
800	4.07	34.42	793	27.34	81.5	11.12	34.93	1479.
1000	3.60	34.54	991	27.48	69.1	12.62	48.60	1481.


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 13 - 35
48-36.1 N 126-44.3 W
M0.-7 DAY-25 9.5

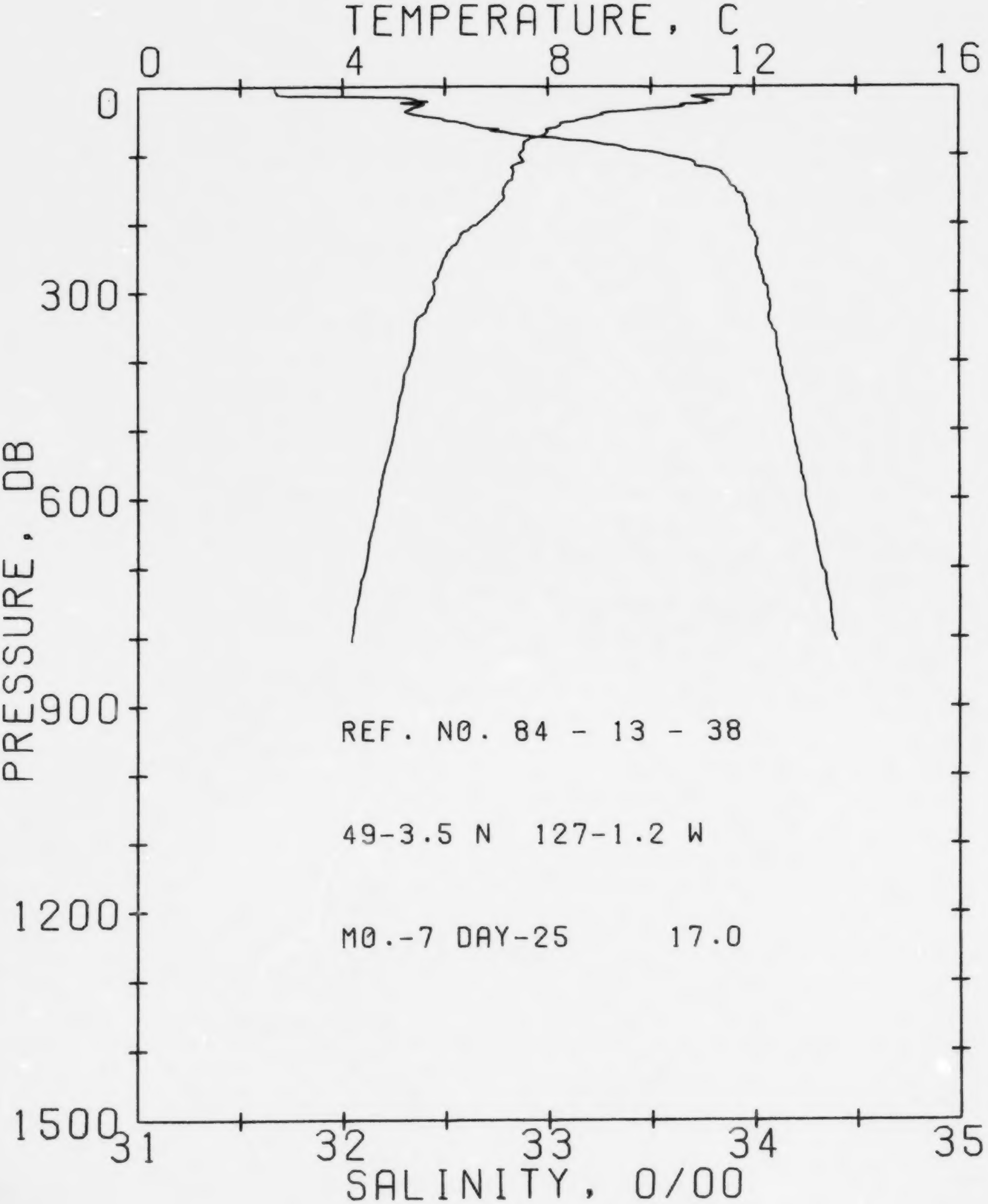
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 35        DATE 25/ 7/84
POSITION  48-36.1N, 126-44.3W   GMT  9.5     STATION E 9
RESULTS OF STP CAST   335 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                   T                D       EN
    0   13.15   31.86       0    23.96   396.0     .00      .00    1497.
   10   13.15   31.87      10    23.97   395.4     .40      .02    1498.
   20   12.46   31.91      20    24.13   380.0     .79      .08    1496.
   30   11.48   32.00      30    24.38   356.1    1.15      .17    1492.
   50   10.20   32.26      50    24.80   316.4    1.83      .45    1488.
   75    8.84   32.56      75    25.26   273.1    2.56      .91    1484.
  100    8.45   33.25      99    25.86   216.6    3.18     1.46    1484.
  125    7.92   33.61     124    26.21   183.3    3.68     2.03    1483.
  150    7.64   33.80     149    26.40   165.7    4.11     2.63    1482.
  175    7.31   33.90     174    26.53   153.9    4.51     3.29    1482.
  200    7.11   33.95     199    26.60   148.0    4.88     4.01    1481.
  225    6.87   33.96     224    26.64   144.2    5.25     4.80    1481.
  250    6.63   34.00     248    26.70   138.6    5.60     5.66    1480.
  300    6.15   34.03     298    26.79   130.8    6.28     7.55    1479.
  400    5.36   34.10     397    26.94   116.9    7.52    11.96    1478.
  500    4.92   34.17     496    27.05   107.6    8.64    17.10    1478.
  600    4.56   34.26     595    27.16    97.5    9.66    22.83    1478.
  800    3.91   34.40     793    27.34    81.5   11.45    35.51    1479.
 1000    3.61   34.53     991    27.47    69.9   12.96    49.37    1481.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 13 - 36
48-45.8 N 126-56.8 W
M0.-7 DAY-25 12.2

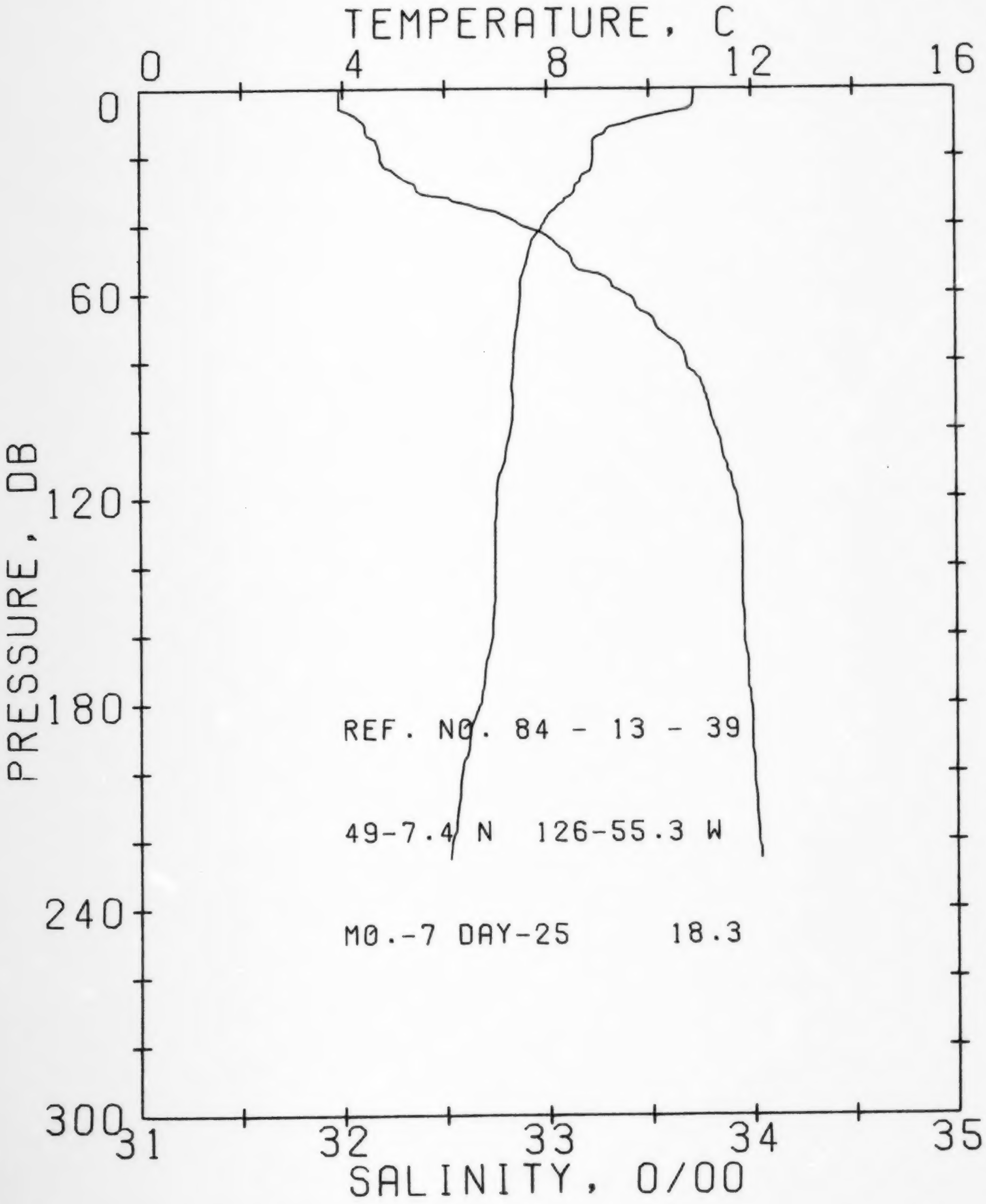
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 36          DATE 25/ 7/84
POSITION  48-45.8N, 126-56.8W   GMT 12.2     STATION F 9
RESULTS OF STP CAST   350 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND.
                                    T                D       EN
    0   11.96   31.85        0    24.18  375.0      .00      .00  1493.
   10   11.87   31.87       10    24.21  372.1      .38      .02  1493.
   20   11.17   31.95       20    24.40  354.3      .74      .07  1491.
   30   10.51   31.99       30    24.55  340.5     1.08      .16  1489.
   50   10.09   32.10       50    24.70  326.0     1.75      .43  1488.
   75    9.01   32.44       75    25.14  284.9     2.51      .92  1485.
  100    8.32   32.75       99    25.49  251.7     3.19     1.52  1483.
  125    8.18   33.30      124    25.94  209.3     3.77     2.18  1483.
  150    7.89   33.67      149    26.26  178.9     4.24     2.84  1483.
  175    7.49   33.84      174    26.46  161.0     4.67     3.55  1482.
  200    6.79   33.95      199    26.64  143.7     5.05     4.28  1480.
  225    6.40   33.99      224    26.72  136.0     5.40     5.03  1479.
  250    6.07   34.01      248    26.78  130.5     5.73     5.83  1478.
  300    5.62   34.05      298    26.87  122.6     6.36     7.60  1477.
  400    5.10   34.12      397    26.99  112.3     7.54    11.79  1477.
  500    4.71   34.21      496    27.10  102.1     8.60    16.66  1477.
  600    4.31   34.27      595    27.19   94.0     9.58    22.16  1477.
  800    3.94   34.43      793    27.36   79.6    11.31    34.43  1479.
 1000    3.47   34.55      991    27.50   66.9    12.76    47.68  1480.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 37
48-59.4 N 127-7.2 W
MO.-7 DAY-25 15.4

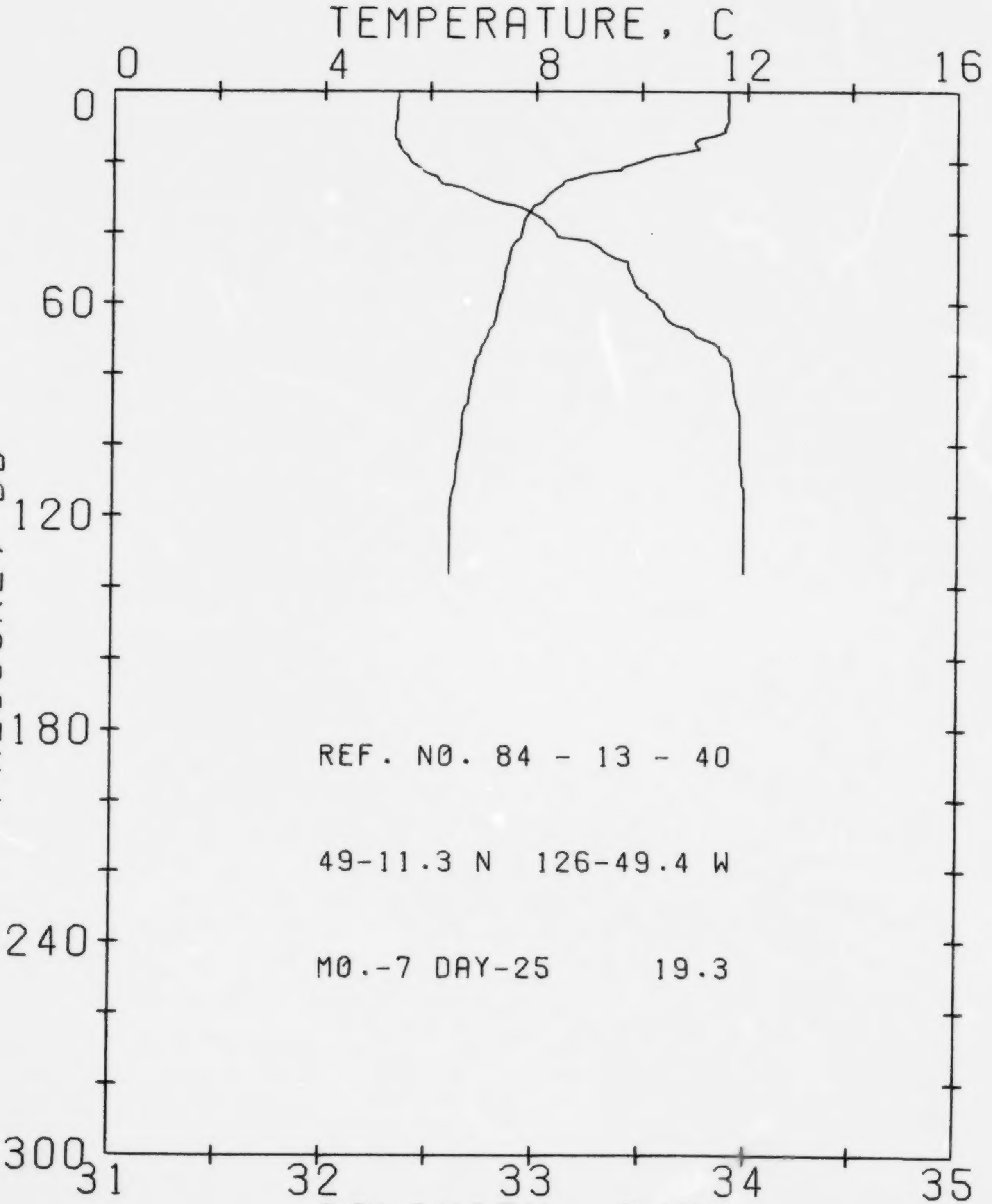
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 37          DATE 25/ 7/84
POSITION  48-59.4N, 127- 7.2W   GMT 15.4     STATION G 7
RESULTS OF STP CAST   313 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D        EN
   0    11.90    31.61       0    24.00   391.6     .00      .00    1493.
  10    10.58    31.76      10    24.35   358.3     .38      .02    1489.
  20     9.99    31.92      20    24.58   337.2     .73      .07    1487.
  30     9.88    32.09      30    24.73   323.0    1.06      .16    1487.
  50     8.68    32.47      50    25.22   277.0    1.64      .39    1483.
  75     8.09    33.34      75    25.98   204.3    2.25      .78    1482.
 100     7.54    33.79      99    26.41   164.2    2.71     1.18    1481.
 125     7.27    33.90     124    26.54   152.3    3.10     1.63    1481.
 150     6.80    33.96     149    26.65   142.1    3.47     2.15    1479.
 175     6.47    33.98     174    26.71   136.9    3.82     2.73    1478.
 200     6.17    34.01     199    26.77   131.2    4.15     3.36    1478.
 225     5.82    34.03     223    26.83   125.5    4.47     4.06    1477.
 250     5.59    34.05     248    26.87   121.7    4.78     4.80    1476.
 300     5.38    34.12     298    26.95   114.5    5.37     6.45    1476.
 400     4.79    34.22     397    27.10   101.2    6.45    10.28    1476.
 500     4.43    34.32     496    27.22    90.7    7.40    14.66    1476.
 600     4.03    34.41     595    27.34    80.1    8.26    19.47    1476.
 800     3.45    34.56     793    27.52    64.1    9.68    29.55    1477.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. N0. 84 - 13 - 38
49-3.5 N 127-1.2 W
M0.-7 DAY-25 17.0
31
32
33
34
35
SALINITY, 0/00

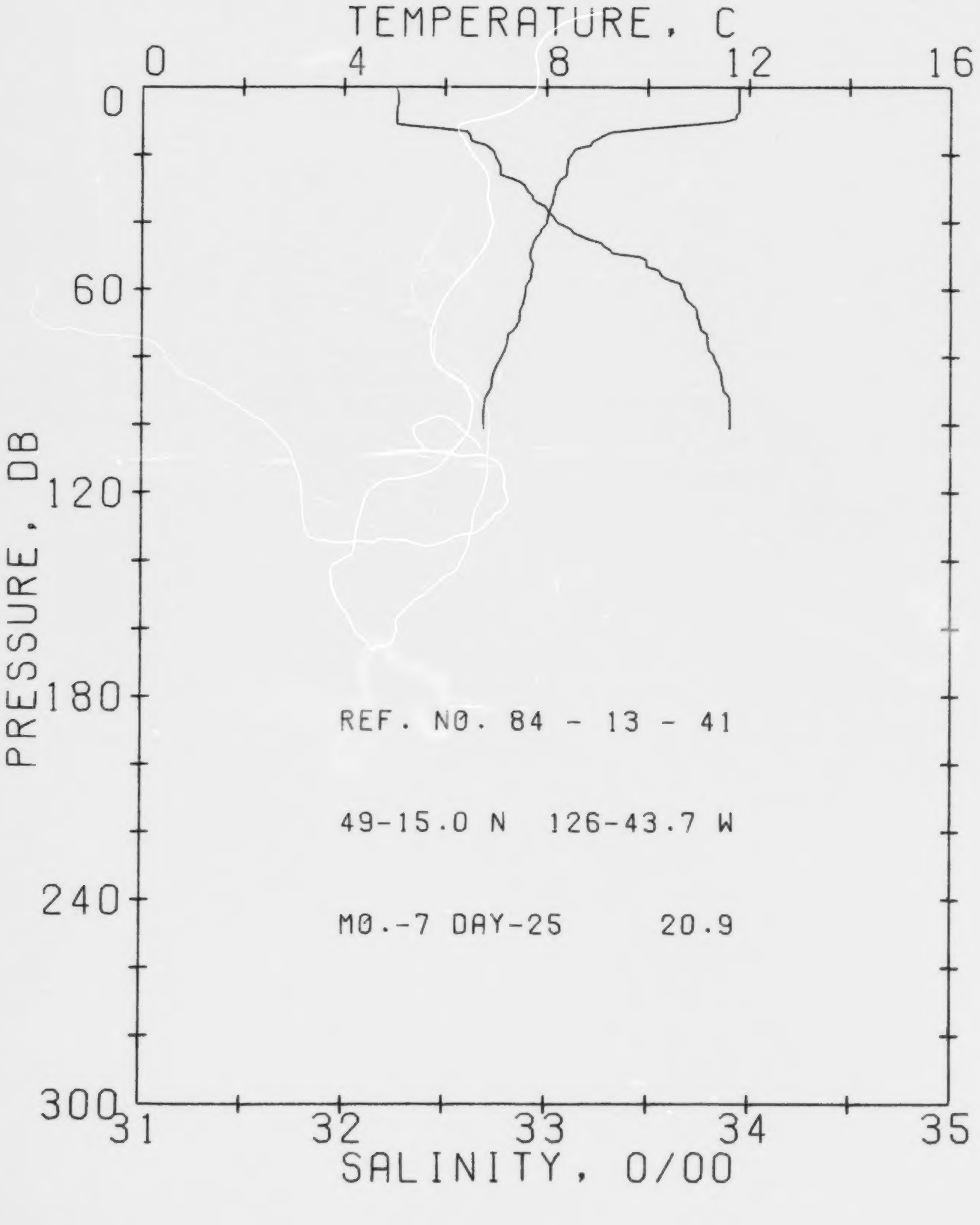
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 38          DATE 25/ 7/84
POSITION  49- 3.5N, 127- 1.2W   GMT 17.0     STATION G 6
RESULTS OF STP CAST   317 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T               D       EN
   0    11.62    31.67      0    24.10   382.3     .00     .00   1492.
  10    11.56    31.68     10    24.12   380.7     .38     .02   1492.
  20    11.15    32.36     20    24.72   324.1     .73     .07   1491.
  30    10.46    32.35     30    24.83   313.1    1.04     .15   1489.
  50     8.55    32.50     50    25.26   272.8    1.63     .39   1483.
  75     7.67    33.05     75    25.81   220.6    2.25     .78   1480.
 100     7.44    33.58     99    26.26   178.5    2.74    1.22   1481.
 125     7.33    33.85    124    26.49   157.4    3.16    1.70   1481.
 150     7.13    33.92    149    26.57   149.8    3.54    2.24   1481.
 175     6.99    33.97    174    26.63   144.5    3.91    2.85   1480.
 200     6.64    33.98    199    26.68   139.5    4.27    3.52   1480.
 225     6.26    34.02    223    26.77   131.9    4.60    4.25   1478.
 250     5.97    34.02    248    26.80   128.6    4.93    5.04   1478.
 300     5.80    34.07    298    26.86   123.4    5.56    6.80   1478.
 400     5.31    34.13    397    26.97   114.0    6.74   11.02   1478.
 500     5.00    34.19    496    27.05   107.0    7.84   16.06   1478.
 600     4.68    34.25    595    27.14    99.6    8.87   21.83   1479.
 800     4.16    34.39    793    27.31    84.8   10.70   34.86   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 39
49-7.4 N 126-55.3 W
MO.-7 DAY-25 18.3
31
32
33
34
35
SALINITY, 0/00

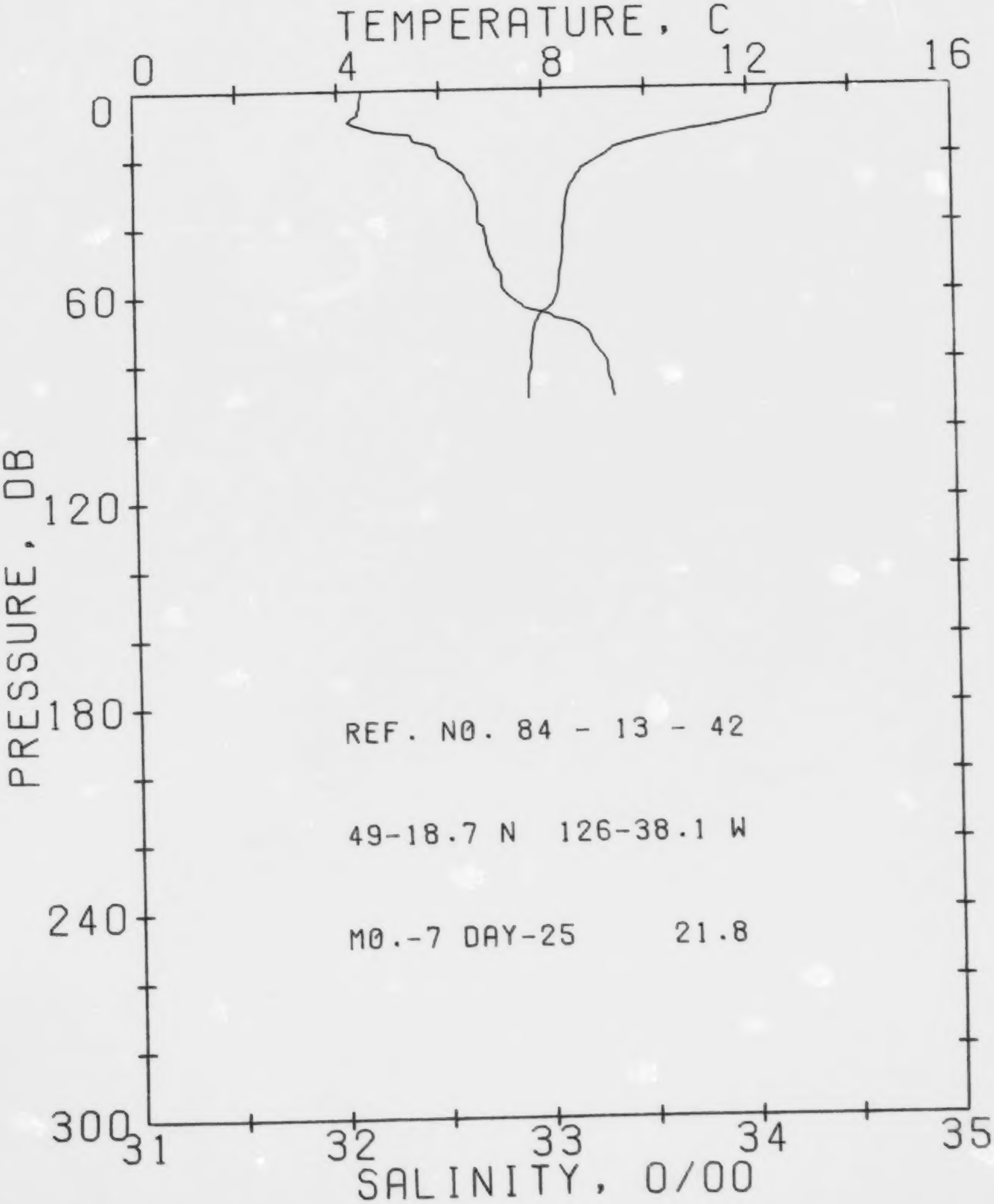
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 39          DATE 25/ 7/84
POSITION  49- 7.4N, 126-55.3W   GMT 18.3    STATION G 5
RESULTS OF STP CAST   152 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS   TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                  T               D       EN
   0   10.88   31.98       0   24.47   346.8     .00      .00   1490.
  10    9.60   32.10      10   24.78   317.6     .34      .02   1485.
  20    8.90   32.18      20   24.96   301.2     .65      .06   1483.
  30    8.54   32.36      30   25.15   282.8     .94      .14   1482.
  50    7.60   33.12      50   25.88   213.8    1.42      .33   1480.
  75    7.35   33.65      75   26.33   171.7    1.89      .63   1480.
 100    7.26   33.83      99   26.48   157.4    2.30     1.00   1480.
 125    6.98   33.94     124   26.61   145.9    2.68     1.43   1480.
 150    6.95   33.95     149   26.62   145.1    3.04     1.94   1480.
 175    6.73   33.98     174   26.67   140.3    3.40     2.53   1479.
 200    6.30   34.01     199   26.75   132.8    3.74     3.18   1478.
 225    6.07   34.04     223   26.81   128.0    4.07     3.88   1478.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 40
49-11.3 N 126-49.4 W
MO.-7 DAY-25 19.3

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 40        DATE 25/ 7/84
POSITION  49-11.3N, 126-49.4W   GMT 19.3    STATION G 4
RESULTS OF STP CAST    97 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    11.63    32.35      0    24.63    332.3    .00      .00   1493.
  10    11.59    32.33     10    24.62    333.3    .33      .02   1493.
  20     9.90    32.41     20    24.97    299.5    .65      .07   1487.
  30     8.18    32.76     30    25.52    247.9    .92      .13   1481.
  50     7.44    33.44     50    26.15    188.1   1.35      .31   1480.
  75     6.89    33.91     75    26.60    146.2   1.78      .58   1478.
 100     6.58    33.97     99    26.68    138.0   2.13      .89   1478.
 125     6.39    33.99    124    26.73    134.5   2.47     1.28   1477.
```

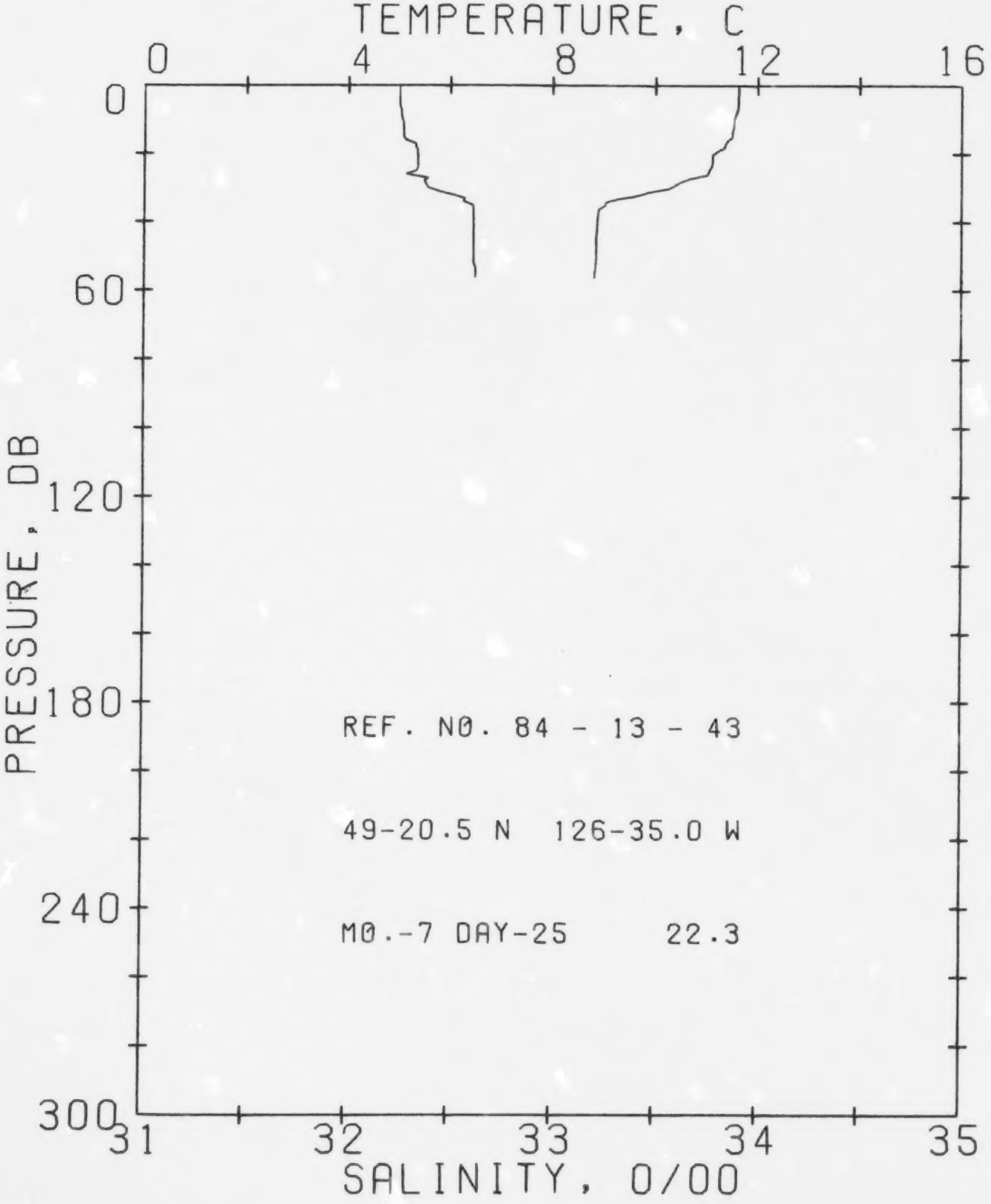

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 41
49-15.0 N 126-43.7 W
MO.-7 DAY-25 20.9
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 41        DATE 25/ 7/84
POSITION  49-15.0N, 126-43.7W   GMT 20.9    STATION G 3
RESULTS OF STP CAST    83 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
    0   11.81   32.26       0    24.52  342.1      .00      .00  1493.
   10   11.51   32.26      10    24.58  337.1      .34      .02  1492.
   20    8.49   32.75      20    25.46  253.3      .62      .06  1482.
   30    8.19   32.90      30    25.63  237.6      .87      .12  1481.
   50    7.67   33.47      50    26.14  189.0     1.31      .30  1480.
   75    7.24   33.80      75    26.46  159.1     1.74      .57  1480.
  100    6.77   33.91      99    26.61  145.0     2.11      .91  1478.
```

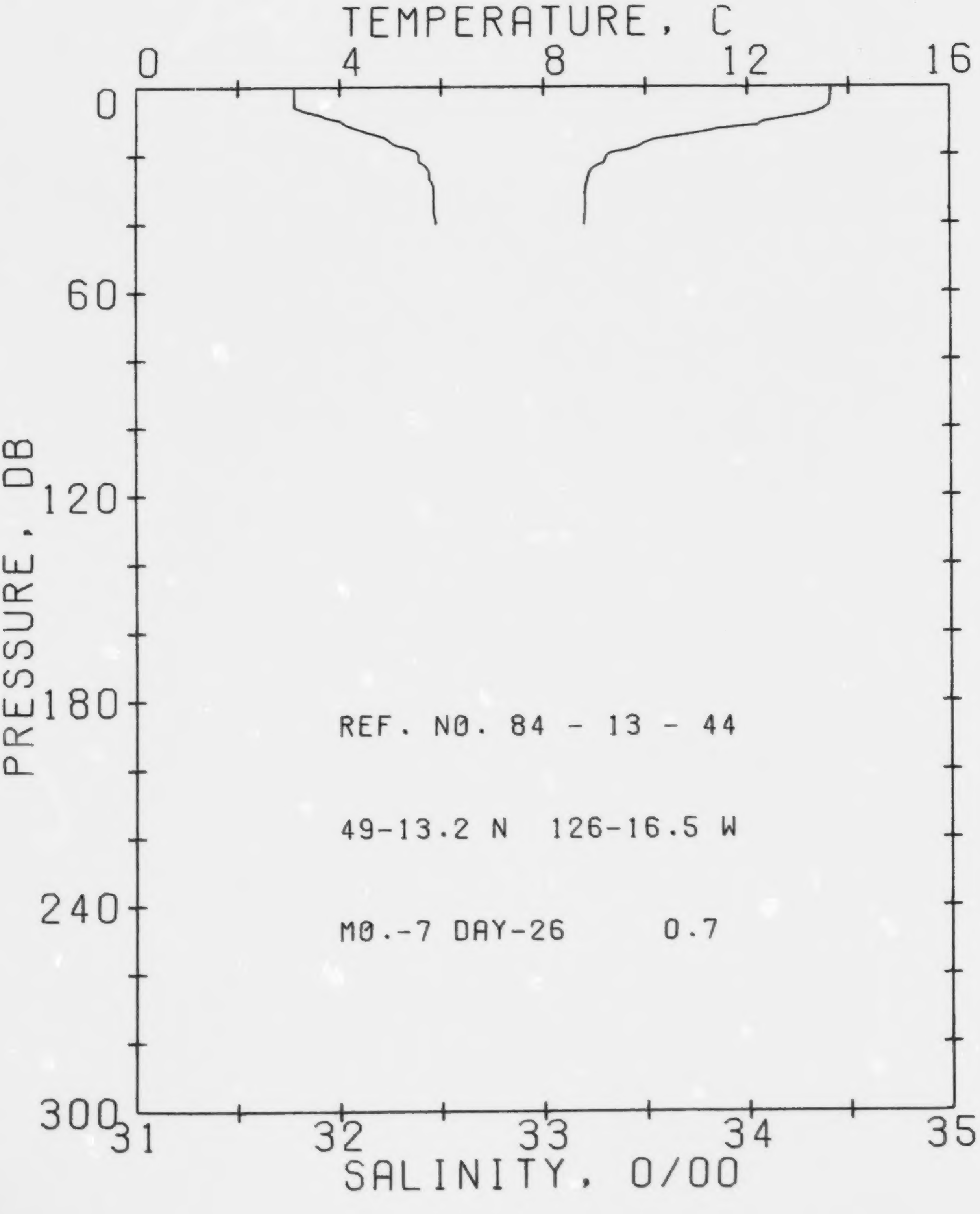

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 42
49-18.7 N 126-38.1 W
MO.-7 DAY-25 21.8
31
32
33
34
35
SALINITY, 0/00

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 42   DATE 25/ 7/84
POSITION 49-18.7N, 126-38.1W   GMT 21.8   STATION G 2
RESULTS OF STP CAST   68 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

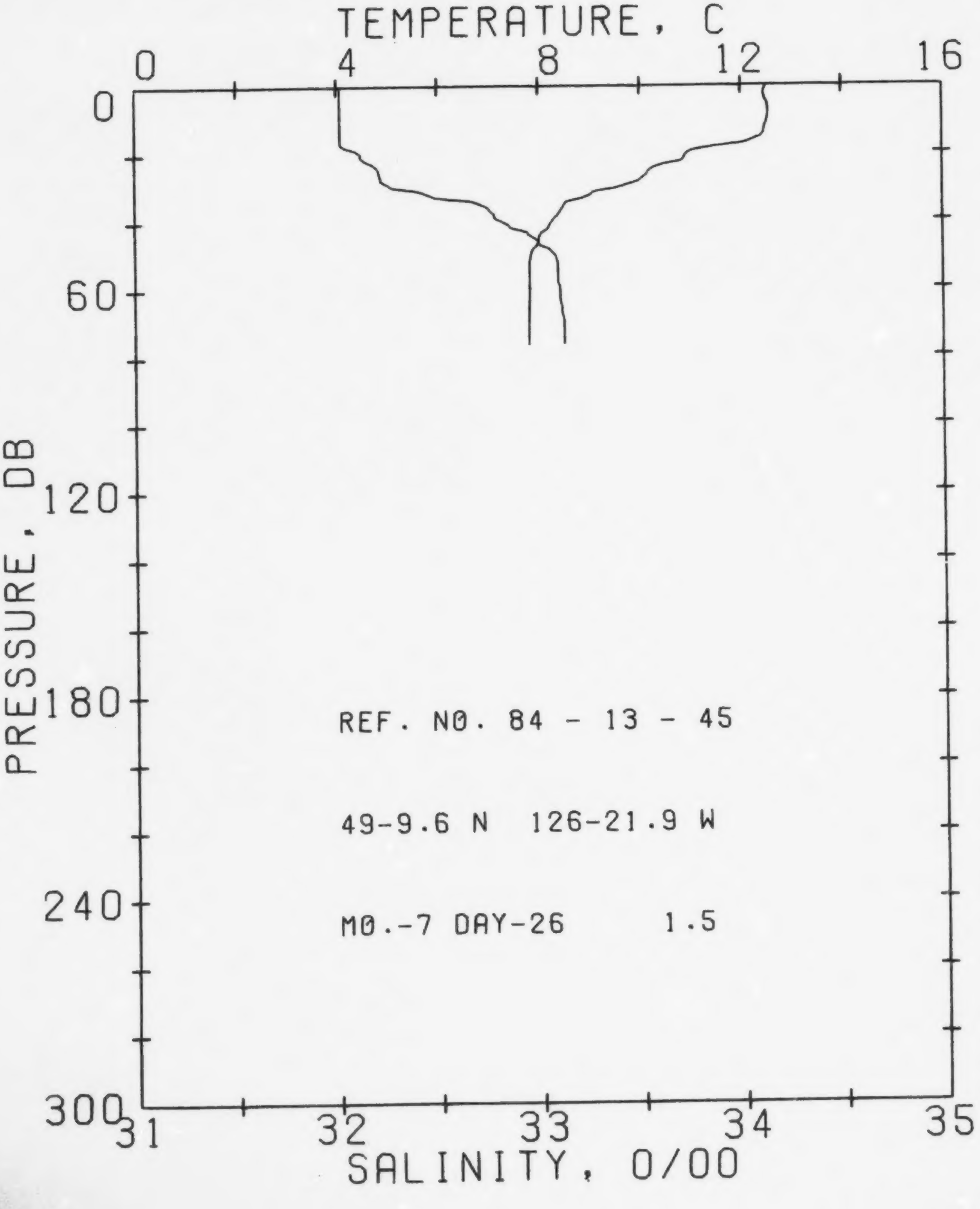
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.60	32.12	0	24.27	366.6	.00	.00	1496.
10	11.74	32.08	10	24.40	354.3	.37	.02	1493.
20	9.13	32.50	20	25.17	280.9	.67	.06	1484.
30	8.50	32.66	30	25.39	259.9	.94	.13	1482.
50	8.36	32.75	50	25.48	251.5	1.45	.34	1482.
75	7.74	33.25	75	25.96	206.8	2.03	.71	1481.


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 43
49-20.5 N 126-35.0 W
MO.-7 DAY-25 22.3

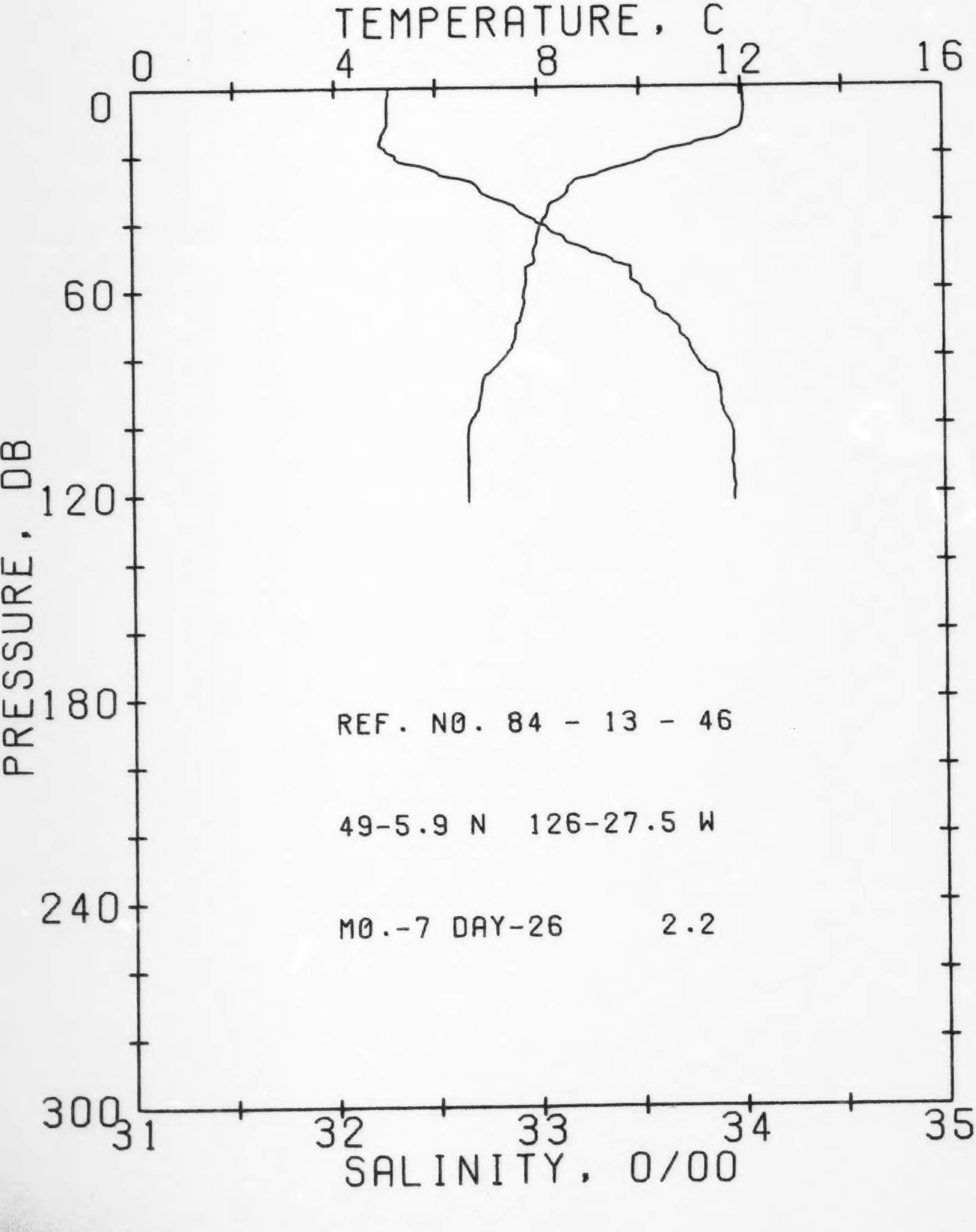
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 43          DATE 25/ 7/84
POSITION  49-20.5N, 126-35.0W   GMT 22.3    STATION G 1
RESULTS OF STP CAST    44 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T                D      EN
    0   11.63   32.25        0    24.55   339.7    .00     .00   1493.
   10   11.55   32.27       10    24.58   337.3    .34     .02   1493.
   20   11.12   32.34       20    24.71   324.7    .67     .07   1491.
   30   10.29   32.39       30    24.89   307.4    .99     .15   1489.
   50    8.85   32.61       50    25.30   269.1   1.54     .37   1484.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 44
49-13.2 N 126-16.5 W
MO.-7 DAY-26 0.7

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 44          DATE 26/ 7/84
POSITION  49-13.2N, 126-16.5W   GMT    .7    STATION F 2
RESULTS OF STP CAST     36 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                     T                D       EN
   0    13.65    31.78       0    23.80   411.4     .00      .00    1499.
  10    12.30    32.01      10    24.24   369.5     .40      .02    1495.
  20     9.25    32.39      20    25.06   290.9     .73      .07    1485.
  30     8.82    32.46      30    25.19   279.5    1.01      .14    1483.

PRES  DEPTH      TEMP     SAL       PRES  DEPTH        TEMP     SAL

  0.            13.65    31.78       19.               9.33    32.38
  1.            13.65    31.78       20.               9.25    32.39
  2.            13.65    31.78       22.               9.20    32.39
  4.            13.64    31.78       23.               9.03    32.42
  5.            13.63    31.78       24.               8.94    32.43
  6.            13.55    31.78       25.               8.90    32.44
  7.            13.40    31.83       26.               8.88    32.44
  8.            13.17    31.90       27.               8.87    32.44
  9.            12.71    31.94       28.               8.85    32.45
 10.            12.30    32.01       29.               8.83    32.46
 11.            12.23    32.03       31.               8.82    32.46
 12.            11.48    32.07       33.               8.82    32.46
 13.            11.16    32.12       34.               8.82    32.46
 14.            10.76    32.18       35.               8.82    32.46
 15.            10.23    32.23       36.               8.82    32.46
 16.            10.03    32.25       37.               8.81    32.46
 17.             9.92    32.27       39.               8.80    32.47
 18.             9.74    32.34       40.               8.80    32.47
```

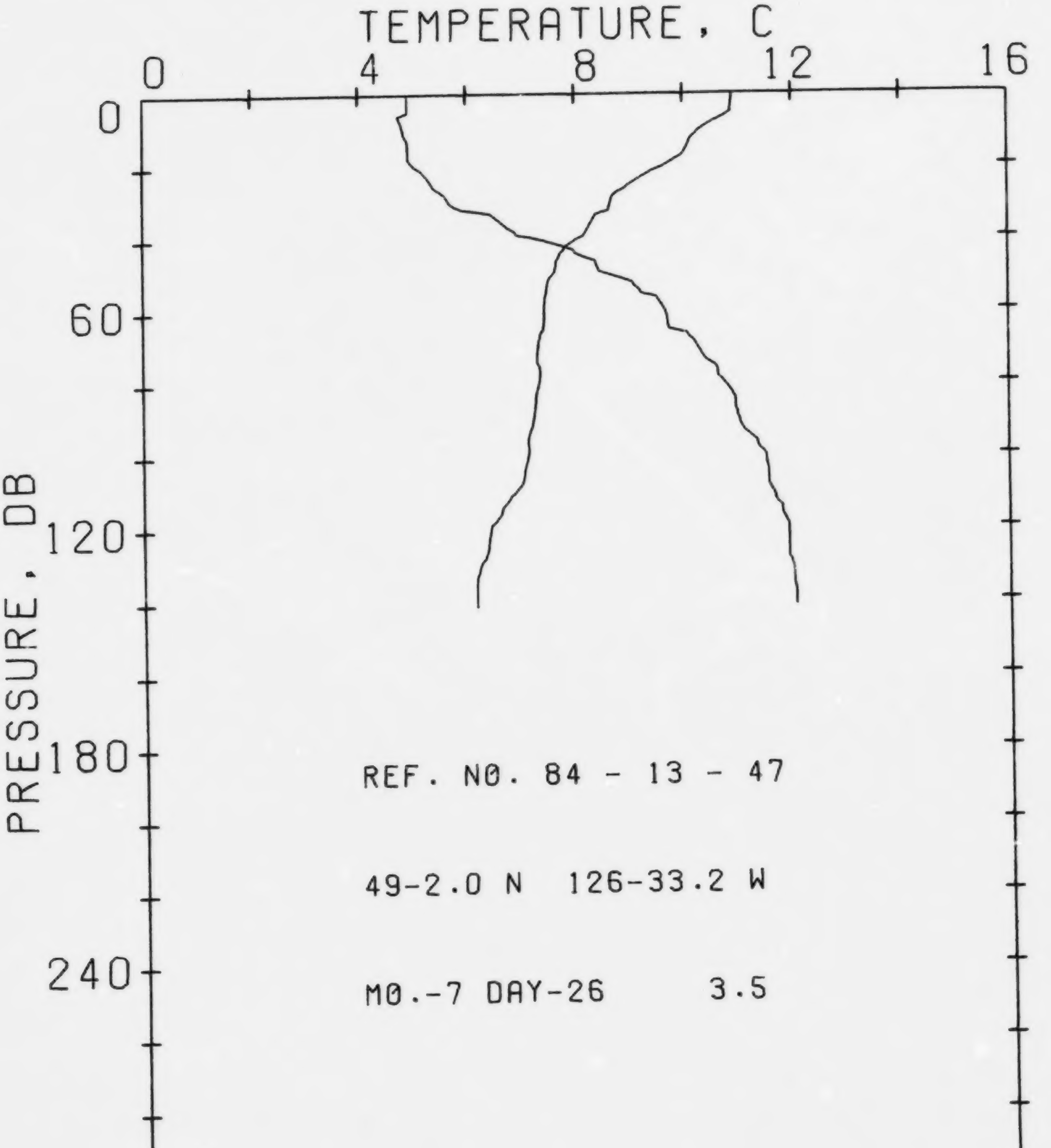

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 45
49-9.6 N 126-21.9 W
MO.-7 DAY-26 1.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 45         DATE 26/ 7/84
POSITION  49- 9.6N, 126-21.9W   GMT  1.5    STATION F 3
RESULTS OF STP CAST    55 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   12.52   32.02        0    24.20   372.5     .00      .00   1496.
   10   12.54   32.02       10    24.20   373.1     .37      .02   1496.
   20   10.93   32.12       20    24.57   337.7     .74      .07   1490.
   30    9.54   32.28       30    24.93   303.6    1.06      .16   1486.
   50    7.84   33.09       50    25.82   219.6    1.55      .36   1481.
   75    7.80   33.13       75    25.86   216.5    2.10      .70   1481.
```

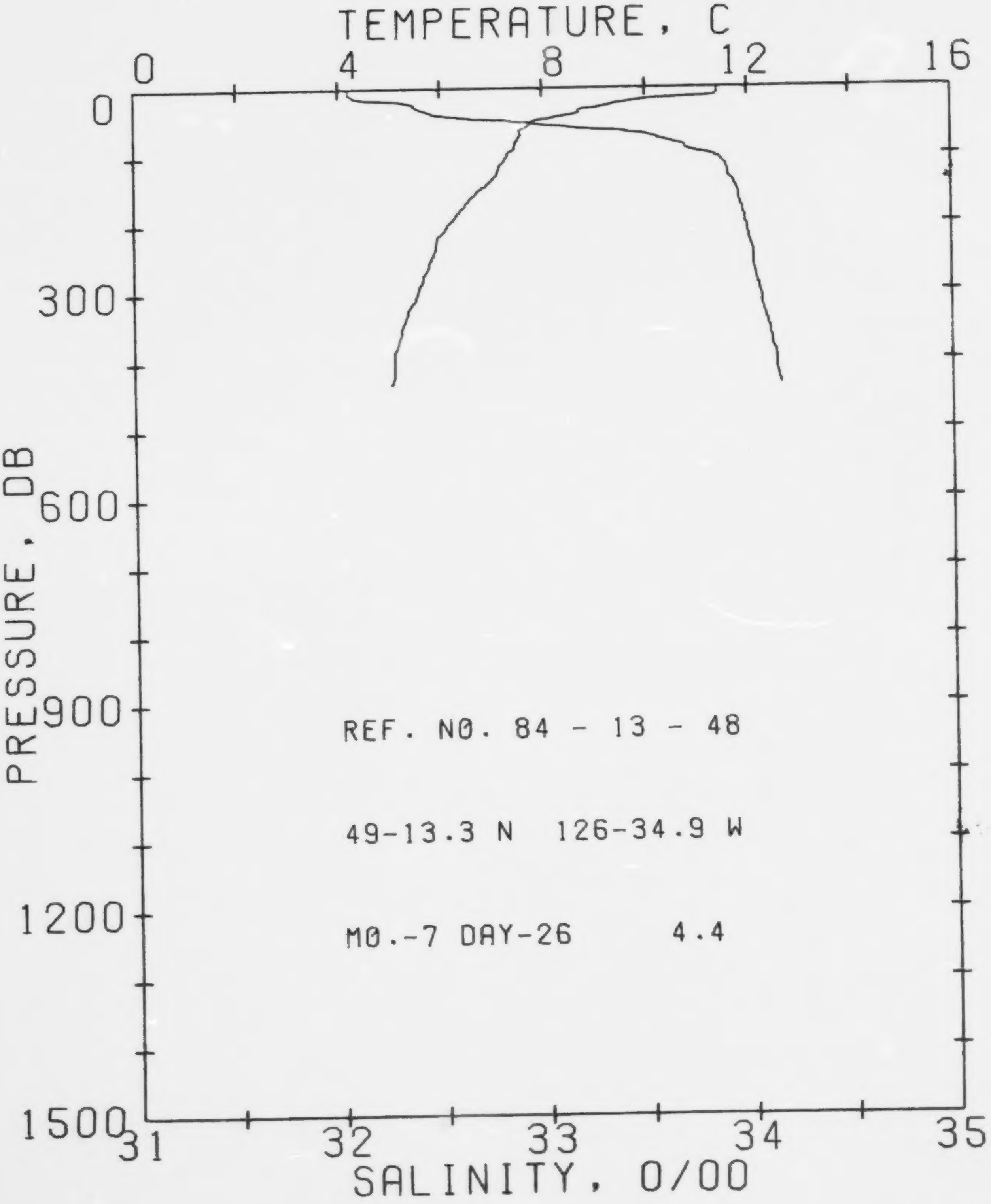

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. N0. 84 - 13 - 46
49-5.9 N 126-27.5 W
M0.-7 DAY-26 2.2
31
32
33
34
35
SALINITY, 0/00

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 46 DATE 26/ 7/84
POSITION 49- 5.9N, 126-27.5W GMT 2.2 STATION F 4
RESULTS OF STP CAST 107 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.04	32.27	0	24.49	345.4	.00	.00	1494.
10	12.04	32.26	10	24.48	346.4	.35	.02	1494.
20	10.25	32.30	20	24.83	313.2	.68	.07	1488.
30	8.60	32.71	30	25.42	257.6	.97	.14	1483.
50	7.92	33.34	50	26.00	202.2	1.43	.33	1481.
75	7.51	33.74	75	26.37	167.2	1.88	.62	1481.
100	6.62	33.95	99	26.66	140.0	2.26	.95	1478.
125	6.60	33.96	124	26.67	139.4	2.61	1.35	1478.


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 13 - 47
49-2.0 N 126-33.2 W
M0.-7 DAY-26 3.5

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 47          DATE 26/ 7/84
POSITION  49- 2.0N, 126-33.2W   GMT  3.5     STATION F 5
RESULTS OF STP CAST   118 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA    POT.   SOUND
                                    T                D       EN
    0   10.92   32.23       0    24.66   329.0      .00     .00   1490.
   10   10.31   32.21      10    24.75   320.6      .33     .02   1488.
   20    9.64   32.26      20    24.90   306.5      .64     .06   1486.
   30    8.67   32.42      30    25.18   280.2      .93     .14   1483.
   50    7.58   33.17      50    25.92   209.7     1.42     .33   1480.
   75    7.33   33.65      75    26.33   171.4     1.89     .63   1480.
  100    7.12   33.88      99    26.54   151.8     2.29     .99   1480.
  125    6.36   33.98     124    26.72   134.8     2.65    1.40   1477.
```

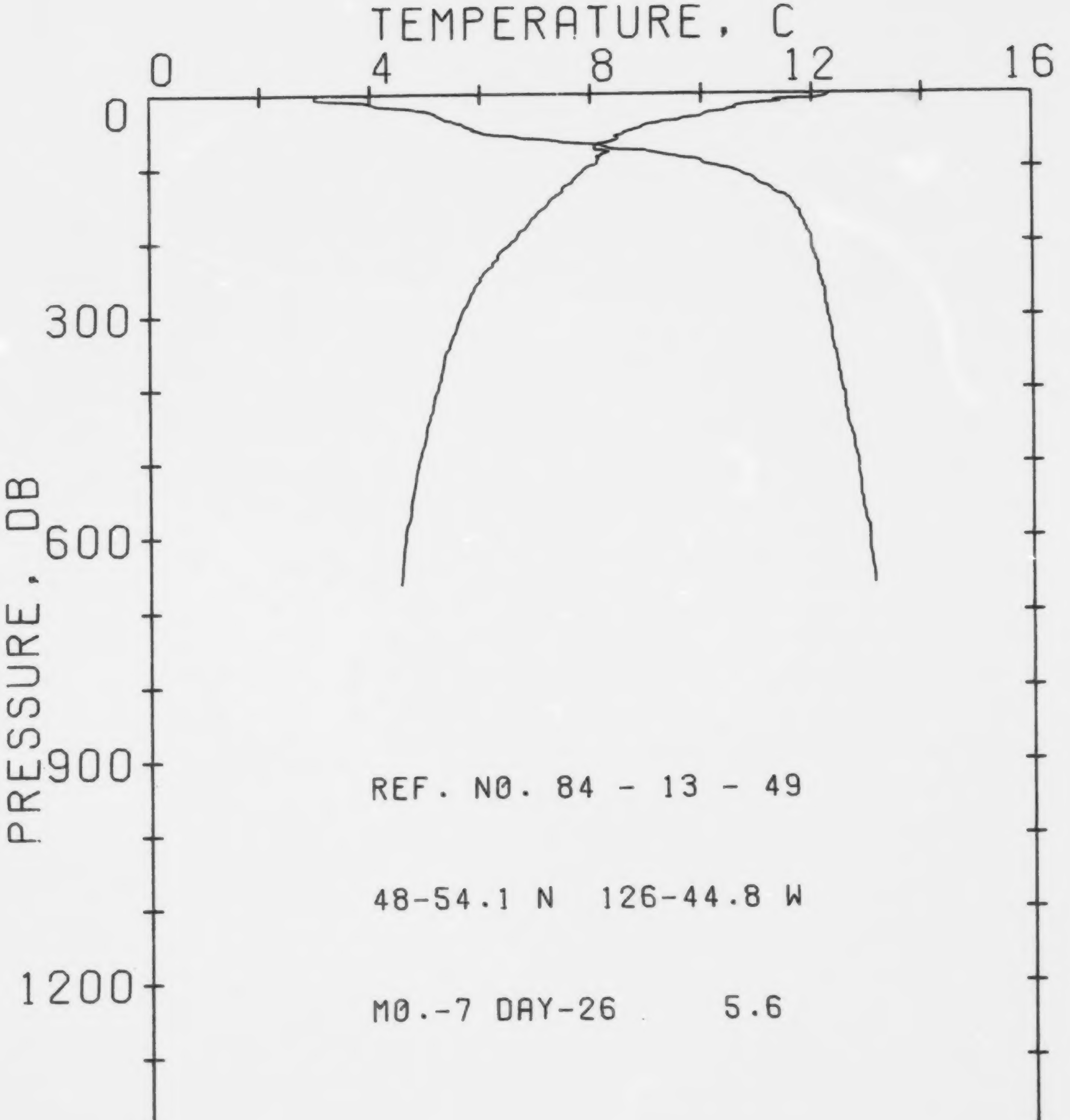


REF. NO. 84 - 13 - 48

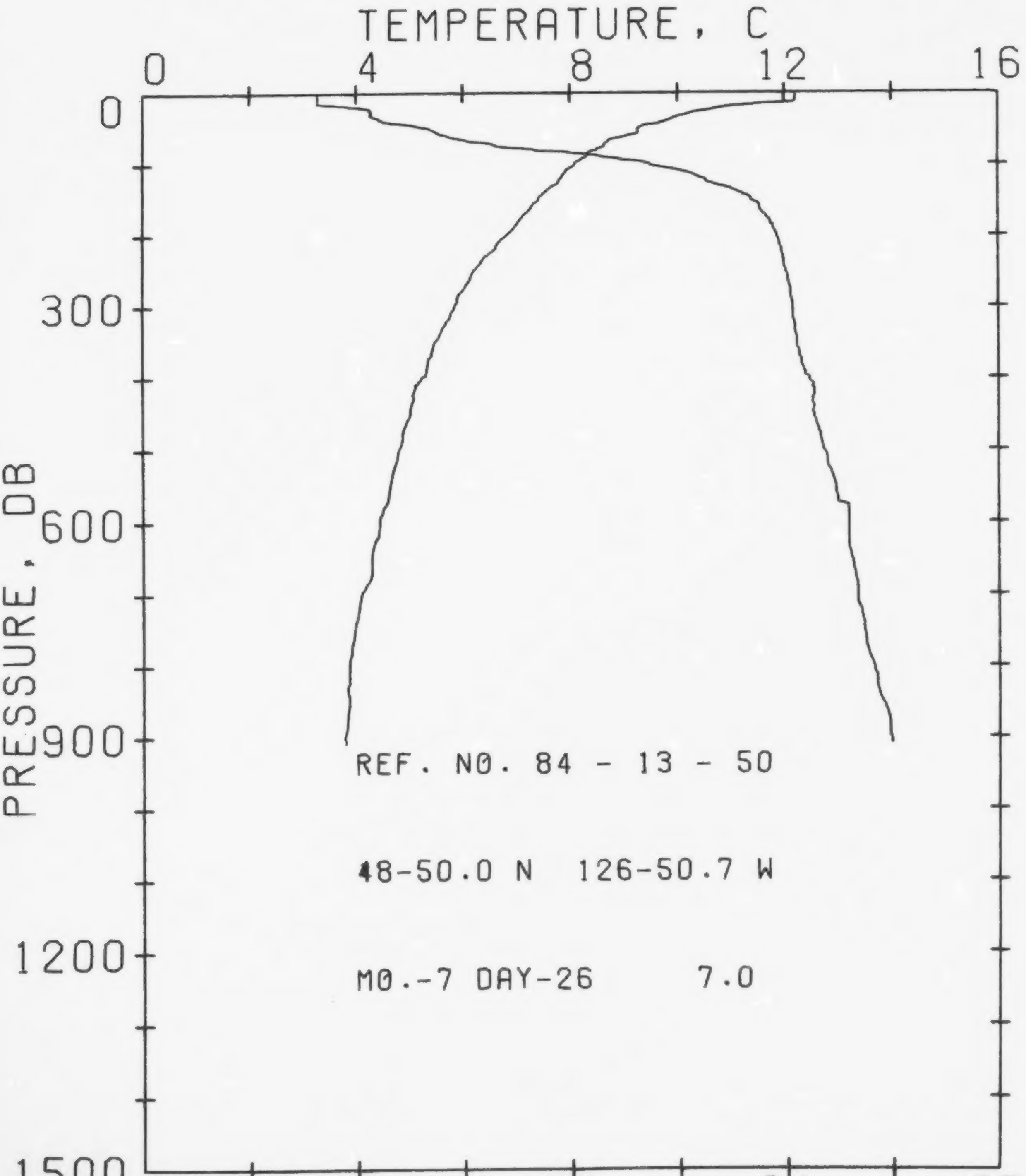
49-13.3 N 126-34.9 W

MO.-7 DAY-26 4.4

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 48           DATE 26/ 7/84
POSITION  49-13.3N, 126-34.9W   GMT  4.4    STATION F 6
RESULTS OF STP CAST   207 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                     T                D       EN
    0   11.42    32.05        0    24.43   350.8     .00      .00    1492.
   10   11.39    32.07       10    24.45   349.3     .35      .02    1492.
   20    9.68    32.32       20    24.94   302.8     .68      .07    1486.
   30    8.94    32.39       30    25.11   286.4     .97      .14    1484.
   50    7.78    32.93       50    25.70   230.7    1.50      .36    1480.
   75    7.53    33.59       75    26.25   178.6    2.00      .67    1480.
  100    7.30    33.85       99    26.49   156.6    2.42     1.05    1480.
  125    7.11    33.91      124    26.56   149.8    2.80     1.48    1480.
  150    6.76    33.95      149    26.65   142.2    3.17     1.99    1479.
  175    6.46    33.98      174    26.71   136.8    3.52     2.57    1478.
  200    6.15    34.00      199    26.76   131.7    3.85     3.21    1478.
  225    5.92    34.01      223    26.80   128.1    4.18     3.92    1477.
  250    5.81    34.03      248    26.83   125.9    4.50     4.69    1477.
  300    5.54    34.06      298    26.89   120.5    5.11     6.42    1477.
  400    5.08    34.14      397    27.01   110.5    6.26    10.51    1477.
```

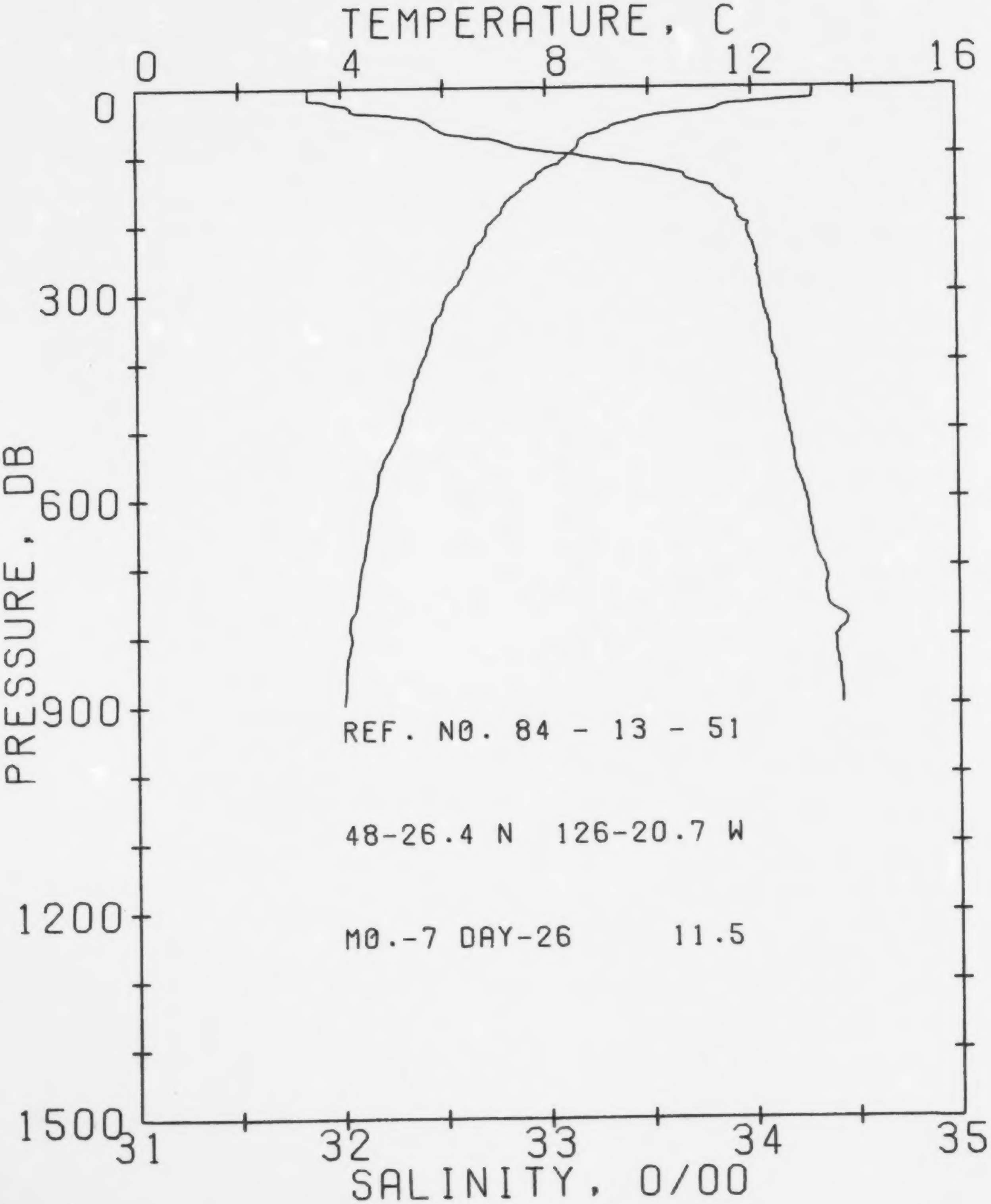

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 84 - 13 - 49
48-54.1 N 126-44.8 W
MO.-7 DAY-26 5.6
31
32
33
34
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 49        DATE 26/ 7/84
POSITION  48-54.1N, 126-44.8W   GMT  5.6    STATION F 7
RESULTS OF STP CAST   279 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                    T                 D       EN
    0   12.31   31.76       0    24.04   387.8      .00      .00   1494.
   10   11.45   31.98      10    24.37   356.7      .38      .02   1492.
   20   10.49   32.21      20    24.72   323.8      .72      .07   1489.
   30    9.99   32.32      30    24.89   307.7     1.03      .15   1487.
   50    8.65   32.50      50    25.24   274.3     1.61      .38   1483.
   75    8.23   33.25      75    25.89   212.9     2.22      .77   1483.
  100    7.89   33.64      99    26.24   180.3     2.71     1.21   1482.
  125    7.51   33.81     124    26.43   162.4     3.14     1.70   1482.
  150    7.21   33.92     149    26.56   150.5     3.53     2.24   1481.
  175    6.88   33.97     174    26.64   143.0     3.90     2.85   1480.
  200    6.56   34.00     199    26.71   137.0     4.25     3.52   1479.
  225    6.26   34.02     223    26.77   131.4     4.58     4.24   1478.
  250    6.01   34.04     248    26.81   127.6     4.91     5.03   1478.
  300    5.65   34.07     298    26.89   121.1     5.53     6.76   1477.
  400    5.23   34.14     397    26.99   112.3     6.69    10.91   1477.
  500    4.87   34.21     496    27.09   103.9     7.77    15.86   1478.
  600    4.62   34.26     595    27.15    98.3     8.79    21.54   1478.
```

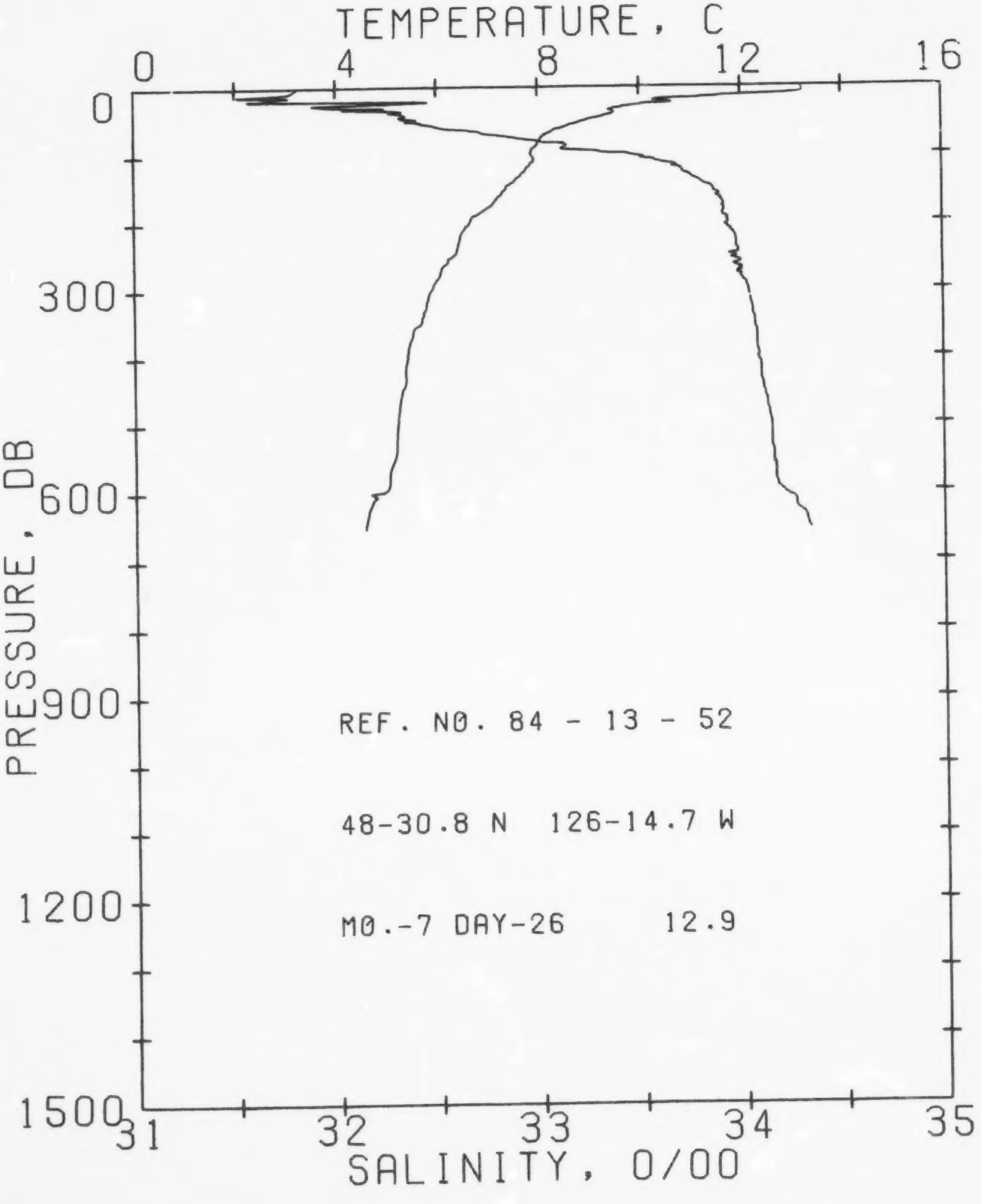

TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 50
48-50.0 N 126-50.7 W
MO.-7 DAY-26 7.0

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 50 DATE 26/ 7/84
POSITION 48-50.0N, 126-50.7W GMT 7.0 STATION F 8
RESULTS OF STP CAST 331 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

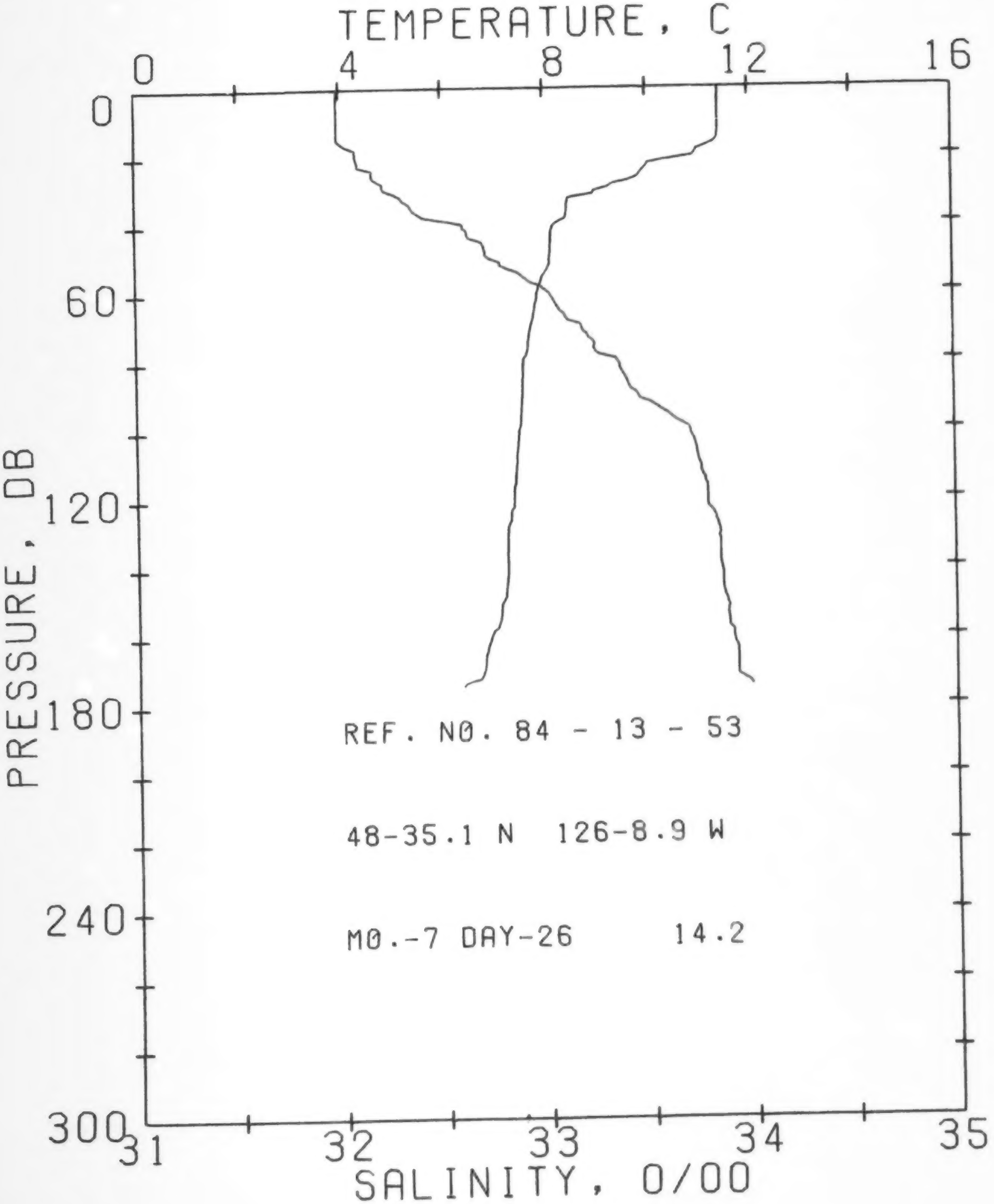
PRESS	TEMP	SAL	DEPTH	SIGMA T	SVA	DELTA D	POT. EN	SOUND
0	12.22	31.82	0	24.11	381.8	.00	.00	1494.
10	12.21	31.82	10	24.11	381.8	.38	.02	1494.
20	10.82	32.04	20	24.53	341.8	.75	.07	1490.
30	10.15	32.06	30	24.66	329.5	1.08	.16	1488.
50	9.26	32.35	50	25.03	294.5	1.71	.41	1485.
75	8.60	32.71	75	25.41	258.8	2.41	.86	1483.
100	8.09	33.37	99	26.01	202.4	2.97	1.35	1483.
125	7.79	33.65	124	26.27	178.2	3.43	1.89	1482.
150	7.41	33.85	149	26.48	158.8	3.85	2.47	1482.
175	7.09	33.93	174	26.58	148.8	4.23	3.10	1481.
200	6.80	33.97	199	26.65	142.3	4.60	3.80	1480.
225	6.48	33.99	223	26.72	136.8	4.94	4.55	1479.
250	6.19	34.01	248	26.77	131.9	5.28	5.37	1479.
300	5.84	34.04	298	26.83	126.1	5.92	7.17	1478.
400	5.22	34.12	397	26.97	113.7	7.13	11.47	1477.
500	4.78	34.18	496	27.08	104.7	8.22	16.47	1477.
600	4.42	34.30	595	27.21	92.9	9.21	22.01	1477.
800	3.84	34.42	793	27.36	79.2	10.95	34.37	1479.


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 84 - 13 - 51
48-26.4 N 126-20.7 W
MO.-7 DAY-26 11.5
31
32
33
34
35
SALINITY, 0/00

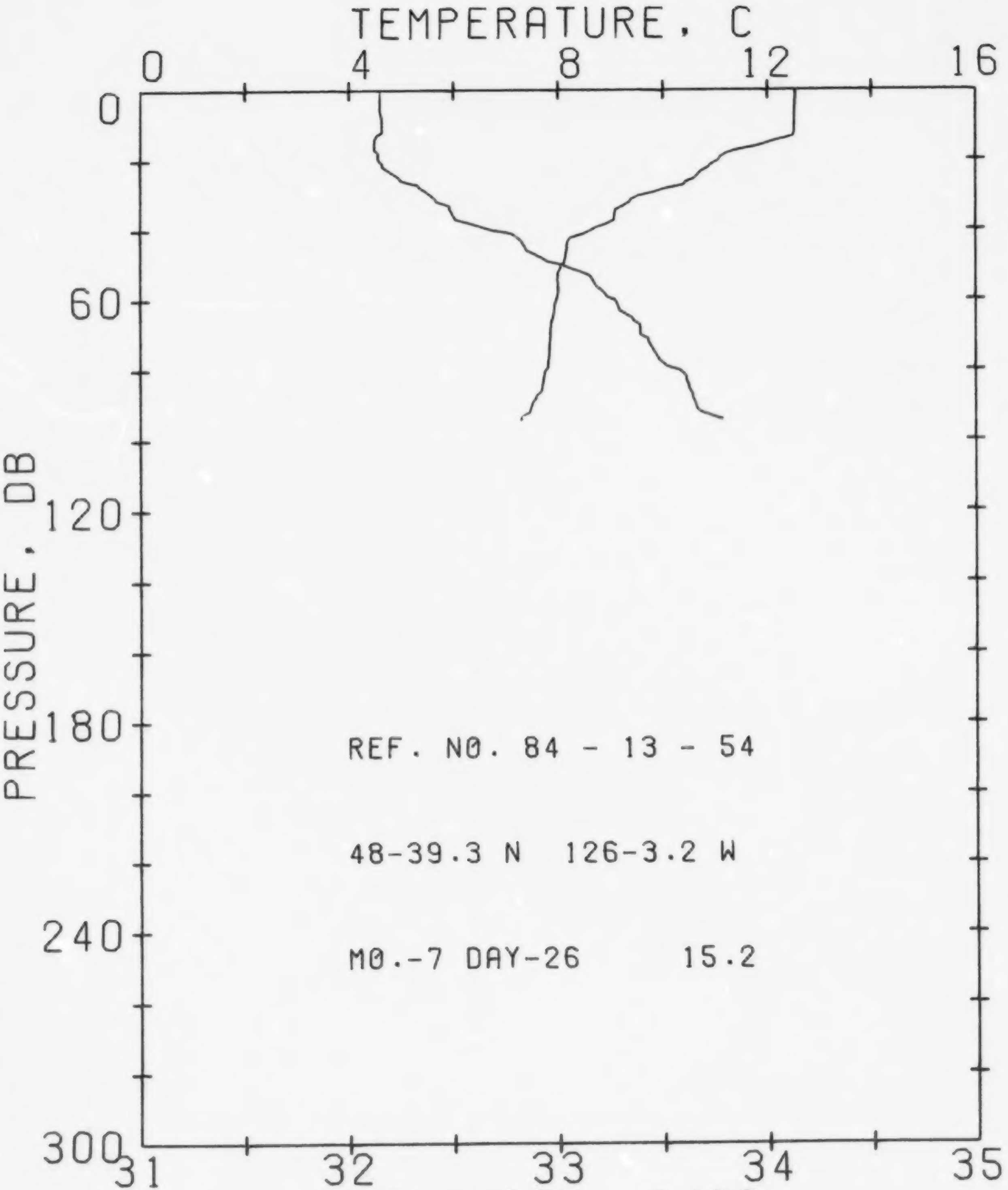
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 51          DATE 26/ 7/84
POSITION  48-26.4N, 126-20.7W   GMT 11.5     STATION D 9
RESULTS OF STP CAST   347 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                    T                D        EN
    0   13.20   31.84        0    23.93   398.4     .00      .00   1498.
   10   13.20   31.84       10    23.93   398.6     .40      .02   1498.
   20   12.42   31.94       20    24.16   377.3     .79      .08   1495.
   30   11.37   32.05       30    24.44   350.6    1.15      .17   1492.
   50    9.63   32.42       50    25.03   295.0    1.79      .43   1487.
   75    8.69   32.75       75    25.43   256.7    2.49      .88   1484.
  100    8.41   33.18       99    25.81   221.2    3.10     1.41   1484.
  125    7.86   33.67      124    26.27   178.0    3.60     1.98   1483.
  150    7.51   33.83      149    26.45   161.6    4.02     2.58   1482.
  175    7.16   33.93      174    26.58   149.4    4.41     3.22   1481.
  200    6.87   33.99      199    26.66   141.9    4.78     3.92   1480.
  225    6.71   34.00      224    26.69   139.0    5.13     4.69   1480.
  250    6.51   34.03      248    26.74   134.8    5.47     5.51   1480.
  300    6.09   34.05      298    26.81   128.5    6.13     7.37   1479.
  400    5.56   34.12      397    26.93   117.9    7.37    11.75   1479.
  500    5.11   34.18      496    27.03   109.0    8.50    16.95   1479.
  600    4.60   34.26      595    27.15    98.1    9.53    22.74   1478.
  800    4.15   34.39      793    27.31    84.8   11.34    35.56   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 84 - 13 - 52
48-30.8 N 126-14.7 W
MO.-7 DAY-26 12.9
31
32
33
34
35
SALINITY, 0/00

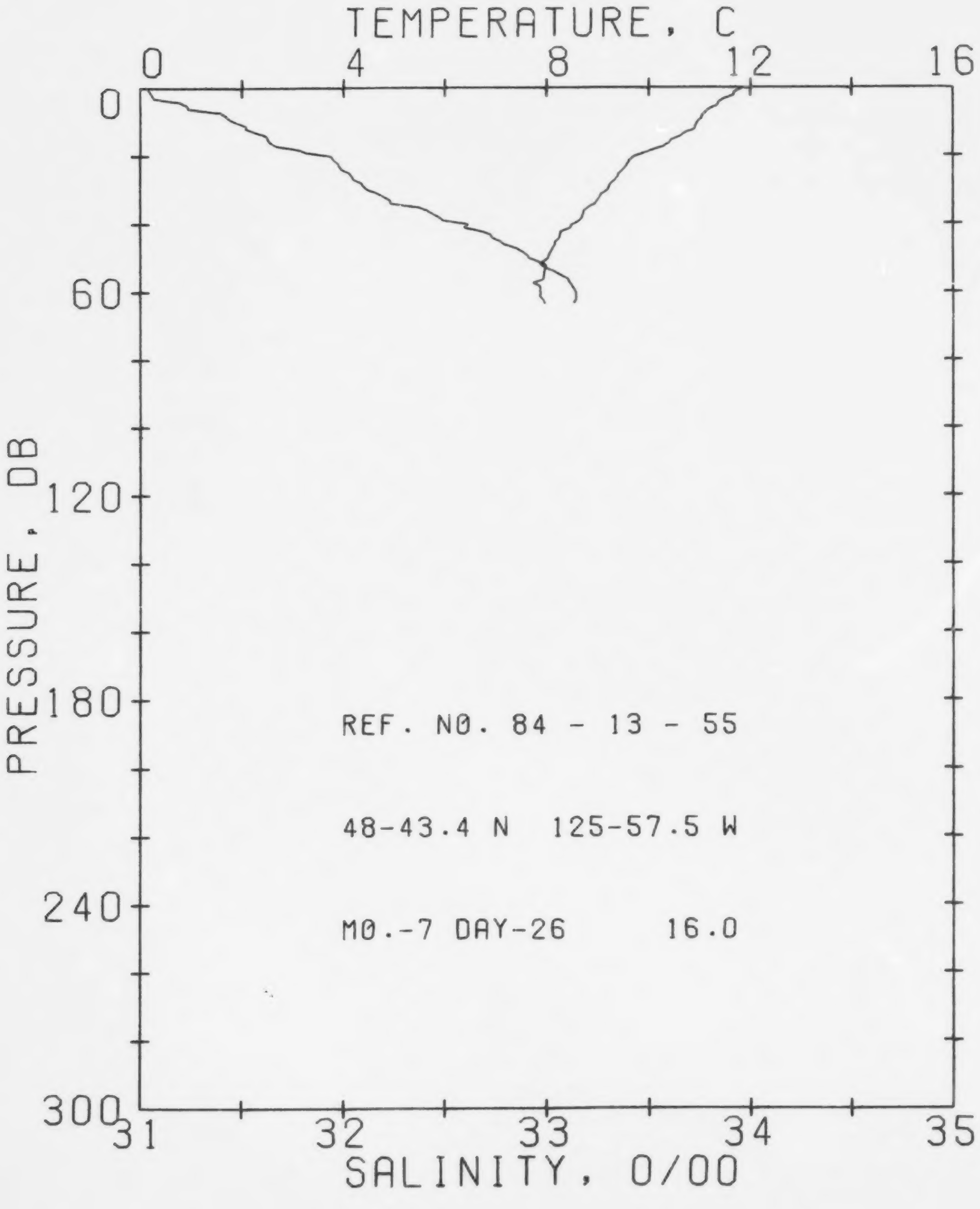
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 52        DATE 26/ 7/84
POSITION  48-30.8N, 126-14.7W   GMT 12.9    STATION D 8
RESULTS OF STP CAST   314 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH   SIGMA    SVA    DELTA    POT.   SOUND
                                   T                D      EN
    0   13.21   31.81       0   23.91   400.8     .00     .00   1498.
   10   13.12   31.62      10   23.78   413.3     .40     .02   1497.
   20   10.26   32.34      20   24.86   310.4     .78     .08   1488.
   30    9.64   32.24      30   24.88   308.2    1.11     .16   1486.
   50    8.92   32.34      50   25.08   290.1    1.71     .40   1484.
   75    8.05   32.90      75   25.65   236.4    2.36     .82   1482.
  100    7.87   33.47      99   26.11   192.6    2.90    1.30   1482.
  125    7.73   33.72     124   26.33   172.5    3.35    1.81   1482.
  150    7.37   33.87     149   26.50   156.7    3.76    2.39   1481.
  175    7.08   33.92     174   26.58   149.4    4.14    3.02   1481.
  200    6.65   33.94     199   26.65   142.6    4.51    3.72   1480.
  225    6.44   33.98     223   26.71   137.3    4.86    4.48   1479.
  250    6.31   33.98     248   26.73   135.9    5.20    5.30   1479.
  300    5.88   34.04     298   26.83   126.7    5.86    7.14   1478.
  400    5.40   34.08     397   26.92   118.8    7.08   11.49   1478.
  500    5.19   34.15     496   27.00   112.3    8.23   16.77   1479.
  600    4.90   34.21     595   27.08   105.4    9.34   22.97   1479.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 53
48-35.1 N 126-8.9 W
MO.-7 DAY-26 14.2

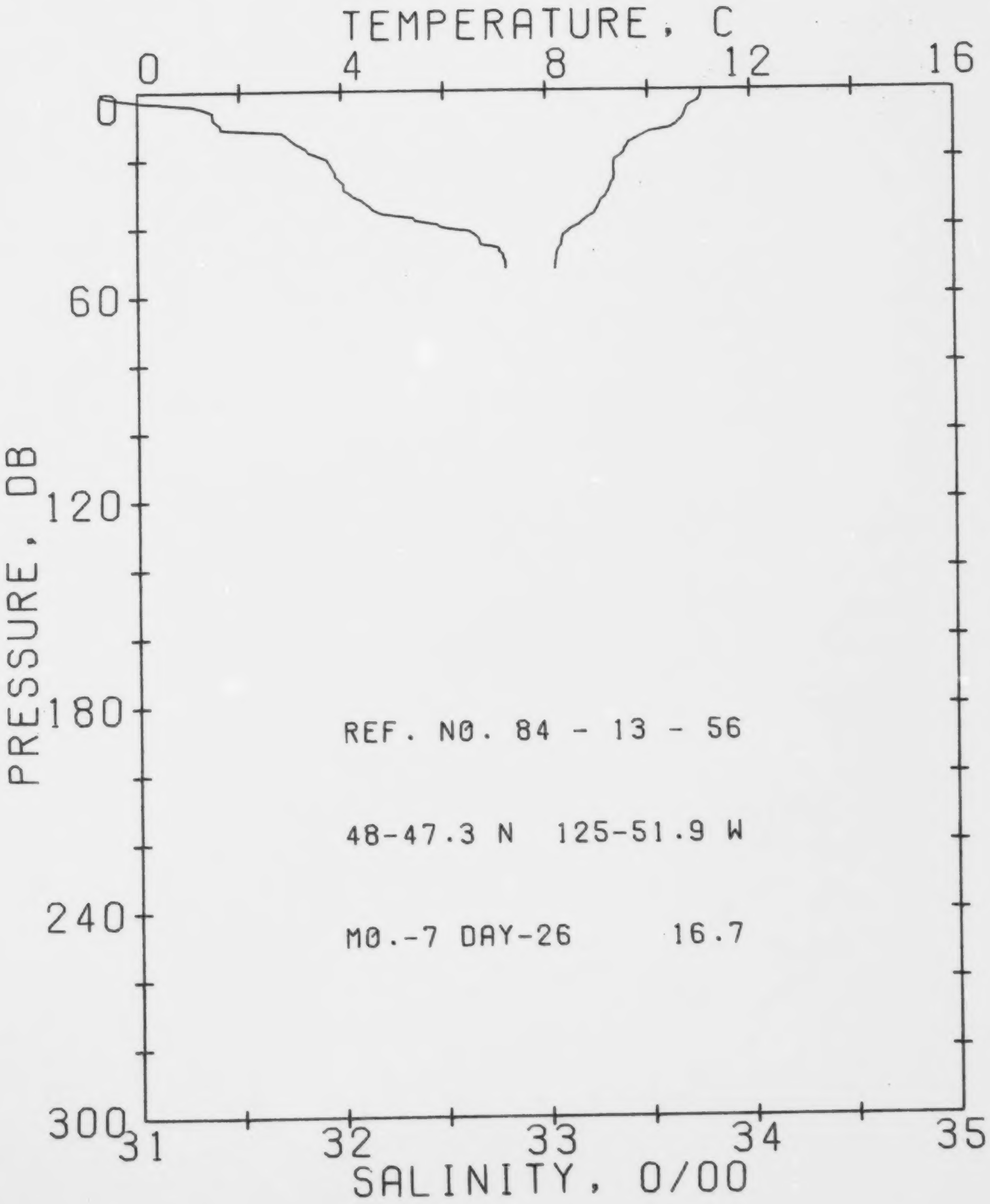
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 53          DATE 26/ 7/84
POSITION  48-35.1N, 126- 8.9W    GMT 14.2     STATION D 7
RESULTS OF STP CAST    124 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA     DELTA     POT.    SOUND
                                    T                D        EN
    0   11.43    31.99       0    24.38   355.4     .00      .00    1492.
   10   11.42    31.99      10    24.39   355.4     .36      .02    1492.
   20   10.94    32.08      20    24.54   340.8     .71      .07    1490.
   30    9.00    32.22      30    24.97   299.9    1.02      .15    1484.
   50    8.11    32.73      50    25.50   249.4    1.56      .37    1481.
   75    7.67    33.25      75    25.97   205.8    2.12      .72    1481.
  100    7.48    33.71      99    26.36   169.4    2.59     1.14    1481.
  125    7.32    33.83     124    26.47   158.6    3.01     1.62    1481.
  150    7.12    33.88     149    26.54   152.6    3.40     2.16    1480.
  175    6.28    34.01     174    26.76   132.3    3.75     2.75    1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 13 - 54
48-39.3 N 126-3.2 W
M0.-7 DAY-26 15.2

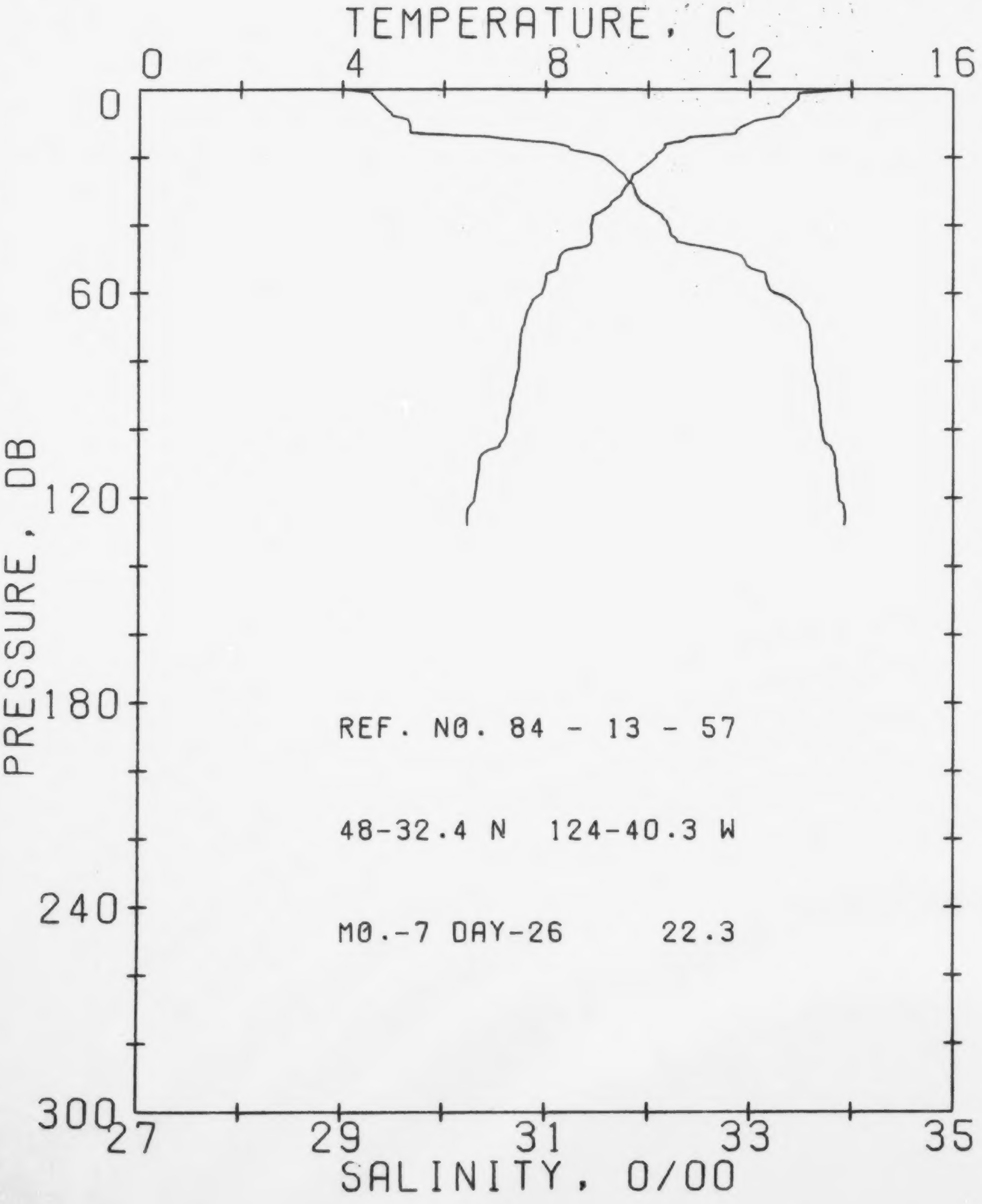
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 54         DATE 26/ 7/84
POSITION  48-39.3N, 126- 3.2W   GMT 15.2     STATION D 6
RESULTS OF STP CAST     82 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T                D       EN
   0    12.54    32.15       0    24.30   363.3     .00      .00   1496.
  10    12.52    32.16      10    24.31   362.4     .36      .02   1496.
  20    11.07    32.14      20    24.56   338.6     .72      .07   1491.
  30     9.56    32.39      30    25.01   295.8    1.04      .15   1486.
  50     8.06    33.02      50    25.74   227.2    1.56      .36   1481.
  75     7.83    33.47      75    26.12   191.7    2.07      .69   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 55
48-43.4 N 125-57.5 W
MO.-7 DAY-26 16.0
31
32
33
34
35
SALINITY, 0/00

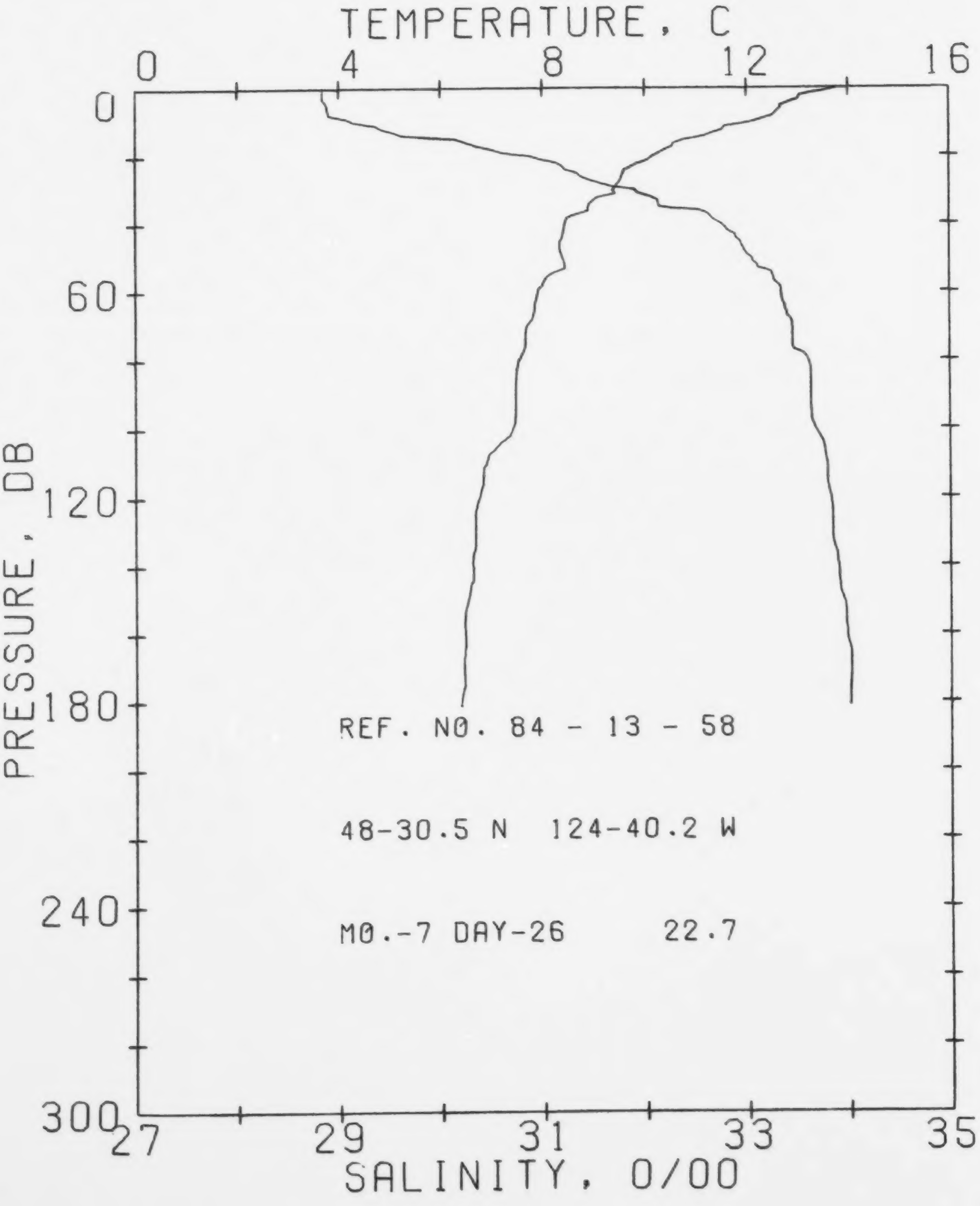
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 55         DATE 26/ 7/84
POSITION  48-43.4N, 125-57.5W   GMT 16.0    STATION D 5
RESULTS OF STP CAST    62 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   11.84   31.04        0    23.57  432.6      .00     .00   1492.
   10   10.96   31.47       10    24.06  386.0      .41     .02   1490.
   20    9.73   31.94       20    24.64  331.6      .77     .08   1486.
   30    9.20   32.12       30    24.86  310.3     1.10     .16   1484.
   50    8.03   32.91       50    25.66  234.9     1.63     .37   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 13 - 56
48-47.3 N 125-51.9 W
MO.-7 DAY-26 16.7

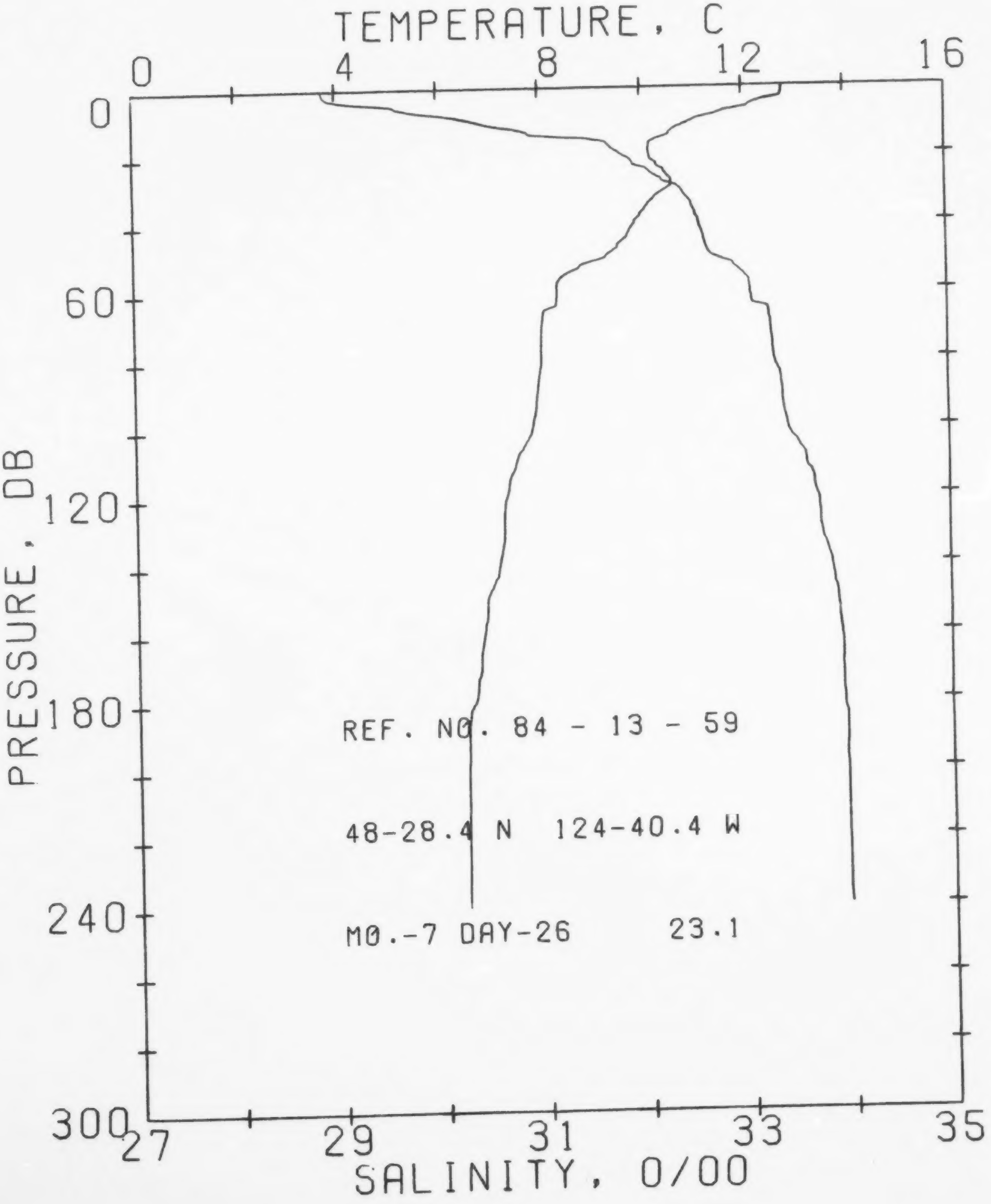
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 56          DATE 26/ 7/84
POSITION  48-47.3N, 125-51.9W   GMT 16.7     STATION D 4
RESULTS OF STP CAST    48 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                     T               D       EN
    0   11.06    30.82        0    23.54  435.5      .00      .00  1489.
   10   10.57    31.41       10    24.08  384.0      .40      .02  1488.
   20    9.37    31.93       20    24.69  326.8      .75      .07  1484.
   30    9.21    32.04       30    24.80  316.4     1.07      .15  1484.
   50    8.19    32.80       50    25.55  245.4     1.63      .38  1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 13 - 57
48-32.4 N 124-40.3 W
MO.-7 DAY-26 22.3
27
29
31
33
35
SALINITY, 0/00

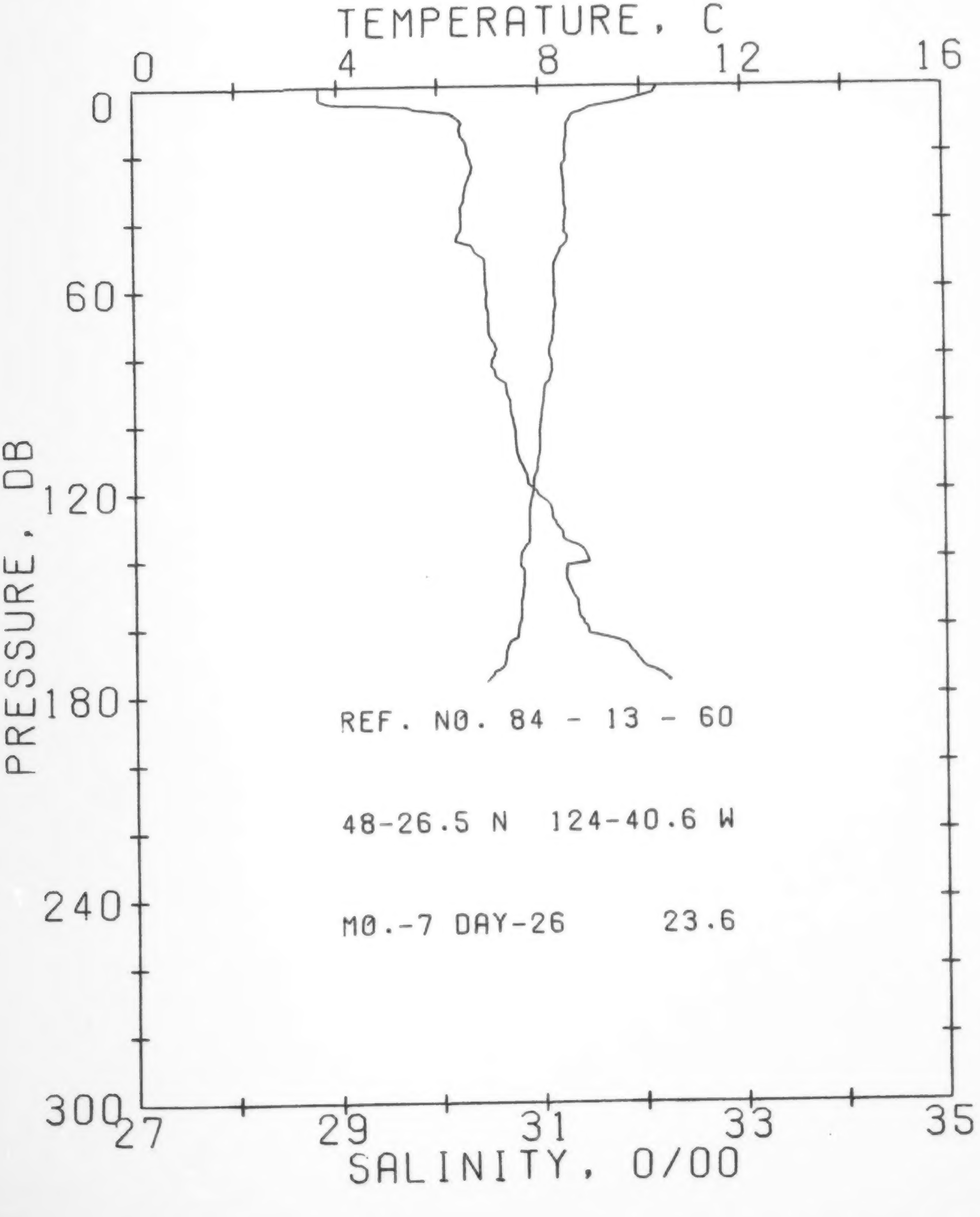
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 57          DATE 26/ 7/84
POSITION  48-32.4N, 124-40.3W   GMT 22.3    STATION P 2
RESULTS OF STP CAST   112 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
   0    13.96    28.94      0     21.55   626.0     .00     .00   1497.
  10    11.98    29.66     10     22.48   537.0     .57     .03   1491.
  20    10.16    31.56     20     24.27   366.5    1.02     .10   1487.
  30     9.50    31.87     30     24.62   333.4    1.37     .18   1485.
  50     8.25    32.93     50     25.64   236.6    1.96     .42   1482.
  75     7.49    33.61     75     26.28   176.5    2.46     .74   1480.
 100     7.23    33.71     99     26.39   166.0    2.89    1.12   1480.
 125     6.45    33.94    124     26.68   138.9    3.27    1.55   1477.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. NO. 84 - 13 - 58
48-30.5 N 124-40.2 W
MO.-7 DAY-26 22.7
27
29
31
33
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 58          DATE 26/ 7/84
POSITION  48-30.5N, 124-40.2W   GMT 22.7     STATION P 3
RESULTS OF STP CAST   148 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                     T                 D       EN
    0   13.80    28.84        0    21.51   630.3      .00      .00   1496.
   10   12.08    29.15       10    22.07   576.5      .61      .03   1491.
   20   10.15    30.88       20    23.74   416.7     1.10      .11   1486.
   30    9.37    31.91       30    24.67   328.5     1.48      .20   1485.
   50    8.39    33.05       50    25.71   229.7     2.01      .41   1483.
   75    7.66    33.45       75    26.13   190.8     2.52      .73   1481.
  100    7.41    33.68       99    26.34   170.6     2.96     1.13   1481.
  125    6.67    33.84      124    26.57   149.2     3.35     1.57   1478.
  150    6.52    33.95      149    26.68   139.4     3.71     2.09   1478.
  175    6.45    34.01      174    26.73   134.4     4.05     2.65   1478.
```

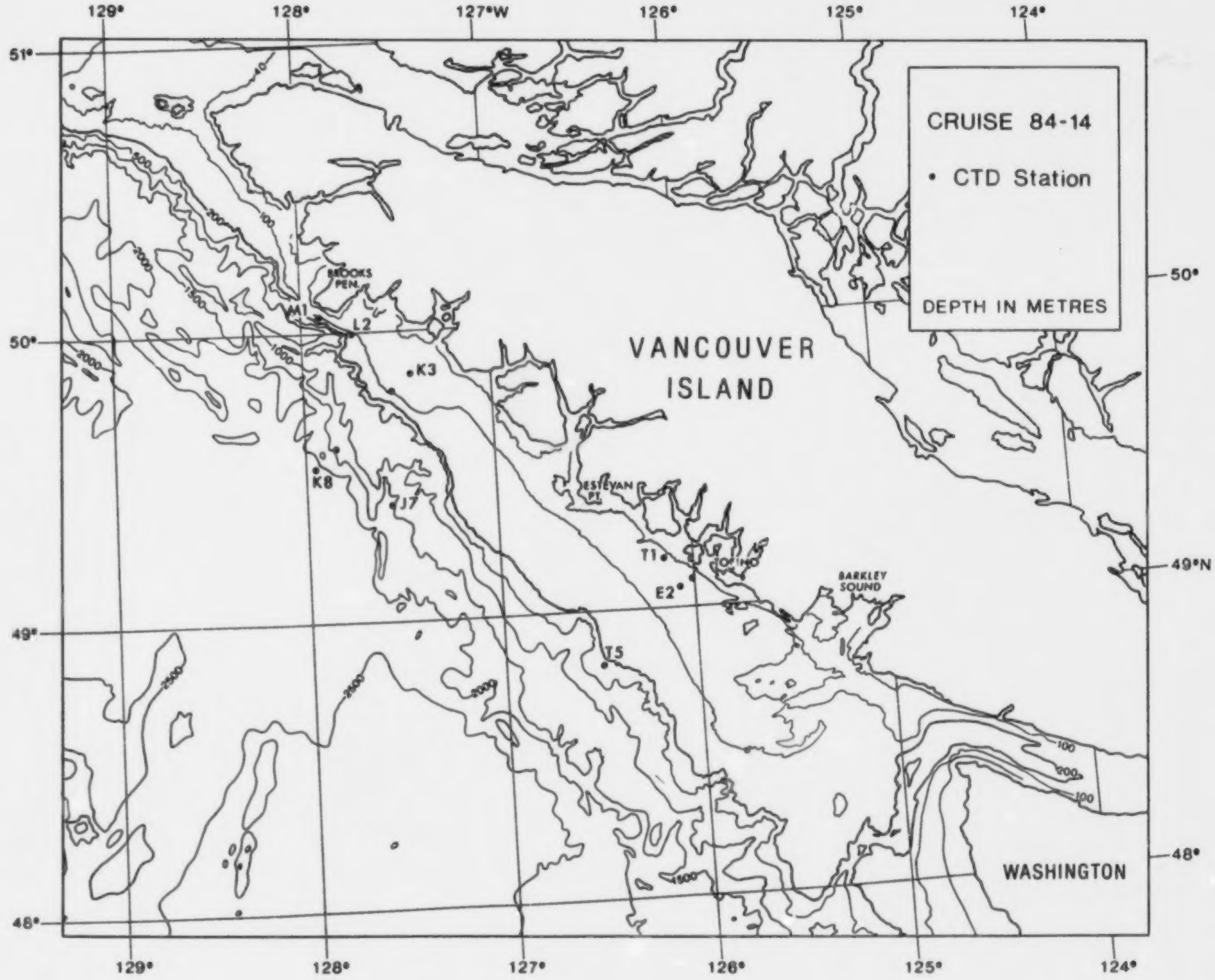

TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
27
29
31
33
35
SALINITY, 0/00
REF. NO. 84 - 13 - 59
48-28.4 N 124-40.4 W
MO.-7 DAY-26 23.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 59          DATE 26/ 7/84
POSITION  48-28.4N, 124-40.4W   GMT 23.1    STATION P 4
RESULTS OF STP CAST   152 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   12.80   28.87        0    21.72   609.7     .00     .00   1493.
   10   11.00   30.40       10    23.22   466.2     .55     .03   1488.
   20   10.17   31.82       20    24.47   347.4     .95     .09   1487.
   30   10.51   32.39       30    24.86   311.0    1.28     .17   1489.
   50    9.29   32.70       50    25.30   269.0    1.86     .40   1486.
   75    8.01   33.27       75    25.94   208.3    2.42     .76   1482.
  100    7.81   33.42       99    26.08   195.5    2.92    1.21   1482.
  125    7.23   33.73      124    26.41   164.8    3.37    1.71   1480.
  150    6.88   33.89      149    26.58   148.6    3.76    2.27   1480.
  175    6.67   33.93      174    26.64   143.2    4.12    2.87   1479.
  200    6.46   33.96      199    26.69   138.6    4.47    3.54   1479.
  225    6.45   33.97      223    26.70   138.1    4.82    4.29   1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
REF. N0. 84 - 13 - 60
48-26.5 N 124-40.6 W
M0.-7 DAY-26 23.6
27
29
31
33
35
SALINITY, 0/00

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-13- 60         DATE 26/ 7/84
POSITION  48-26.5N, 124-40.6W   GMT 23.6    STATION P 5
RESULTS OF STP CAST   148 POINTS TAKEN FROM ANALOG TRACE
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D        EN
   0    10.36    28.82      0    22.11   572.4     .00      .00   1484.
  10     8.62    30.21     10    23.46   443.5     .52      .03   1479.
  20     8.54    30.29     20    23.54   436.5     .96      .09   1479.
  30     8.49    30.26     30    23.52   438.2    1.39      .20   1479.
  50     8.36    30.39     50    23.64   427.0    2.27      .56   1479.
  75     8.24    30.51     75    23.75   416.7    3.32     1.23   1479.
 100     7.98    30.73    100    23.95   397.8    4.34     2.14   1479.
 125     7.76    31.10    124    24.27   367.6    5.31     3.25   1479.
 150     7.61    31.30    149    24.45   350.7    6.20     4.49   1479.
 175     6.95    32.23    174    25.27   273.4    7.00     5.82   1478.
```

CRUISE 84-14
OCTOBER 1984


CRUISE 84-14
• CTD Station
DEPTH IN METRES
VANCOUVER ISLAND
WASHINGTON
BROOKS PEN.
ESTEVAN PT.
TOFINO
BARKLEY SOUND
M1
L2
K3
K8
J7
T1
E2
T5
100
200
500
1000
1500
2000
2500
129°
128°
127°W
126°
125°
124°
127°
51°
50°
49°
49°N
48°

VANCOUVER ISLAND COASTAL CURRENT EXPERIMENT

Key to information written on Plot pages and Listing pages.

PLOT PAGE

Ref. No. Year-Month-Station Consecutive Number
Latitude (°N) Longitude (°W)
Month Day Time (GMT)*

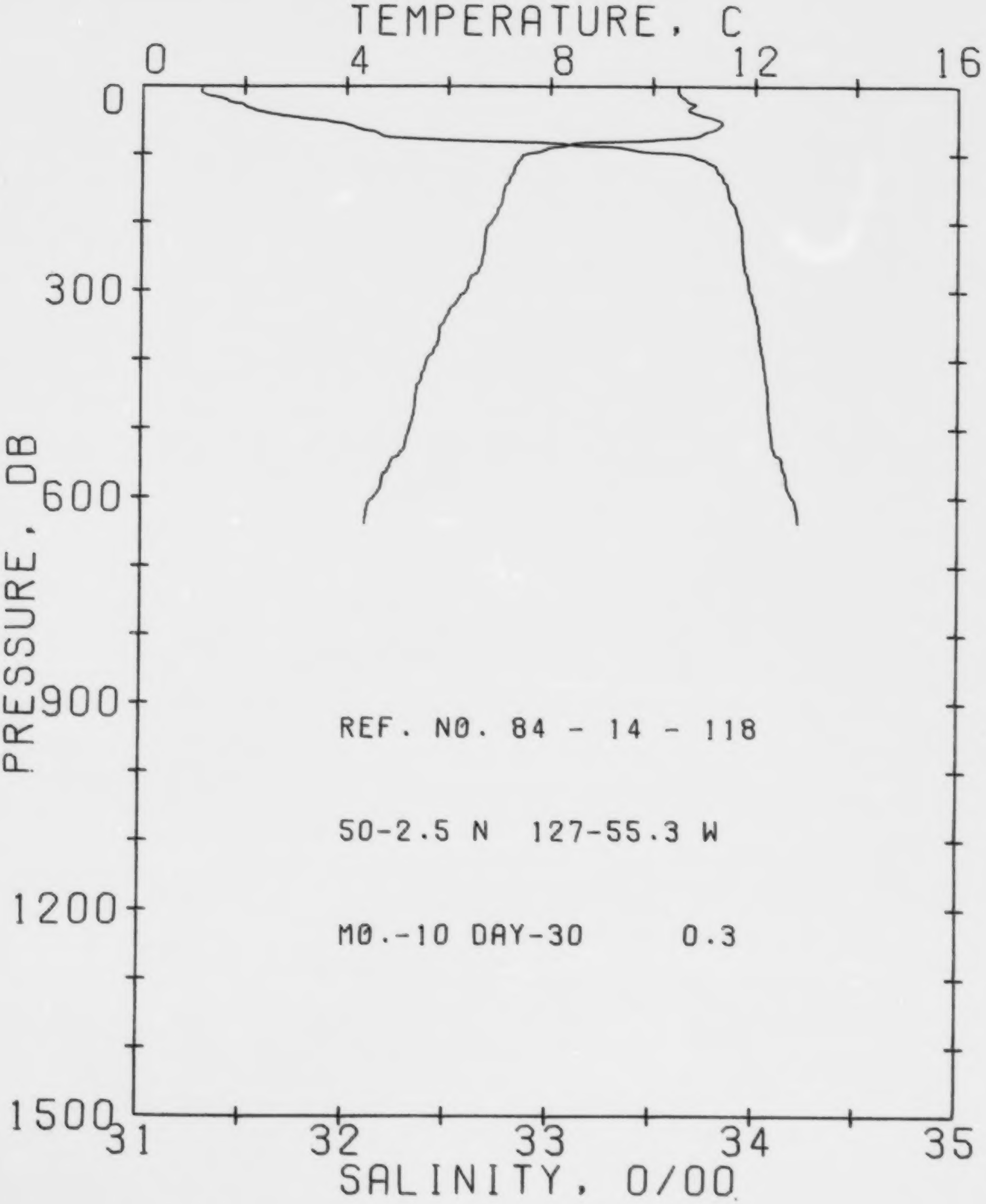
*PST = GMT - 8 hours

LISTING PAGE

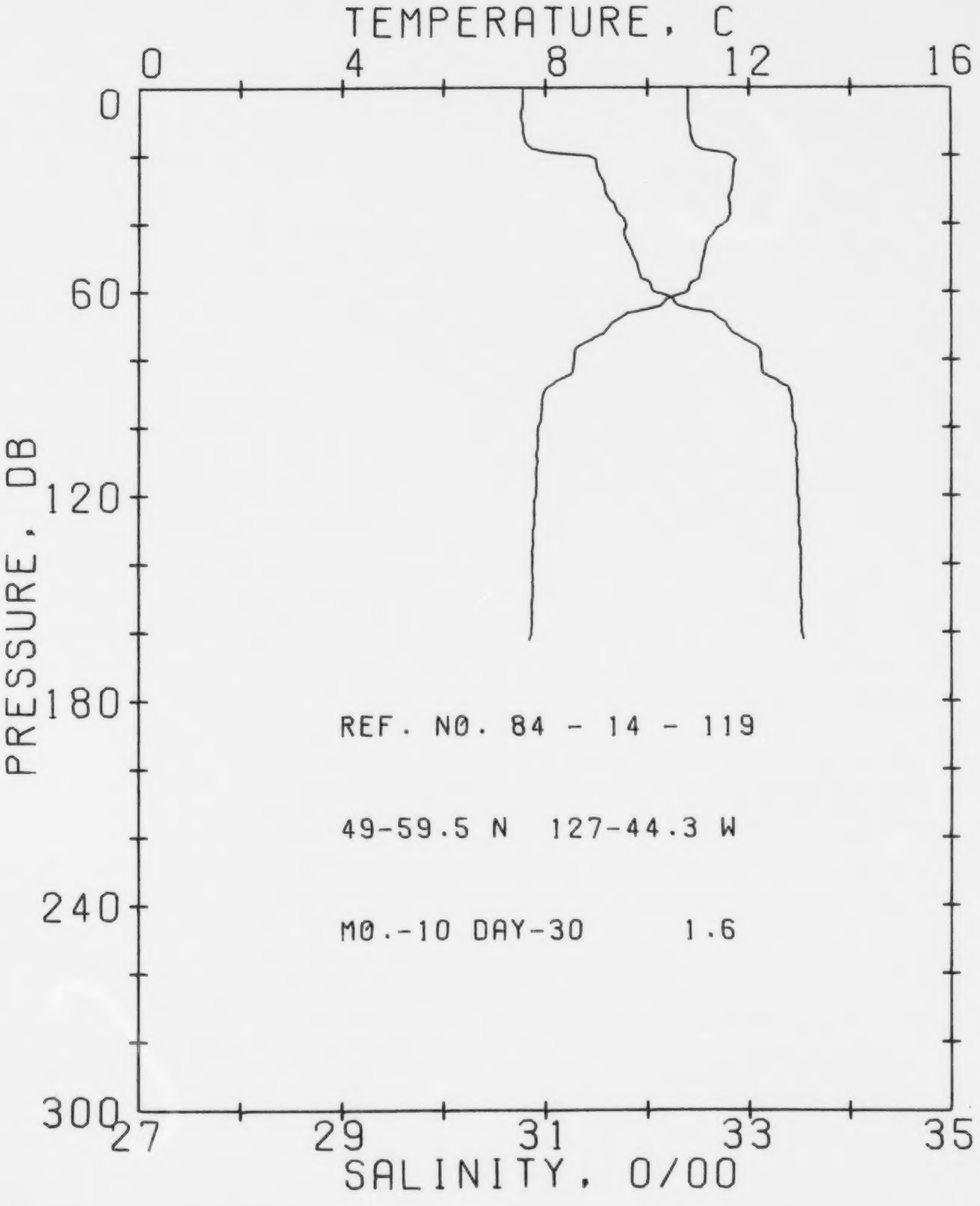
Ref. No. Year-Month-Station Reference Number Date (D/Mo/Yr)
Position Latitude Longitude GMT (Hours) Station ID
Results of STP Cast ... Number of 1-metre averaged points taken from digital output ... Guildline (CTP) was used ... Pressures (in db) are input.

PARAMETERS, SYMBOLS, UNITS

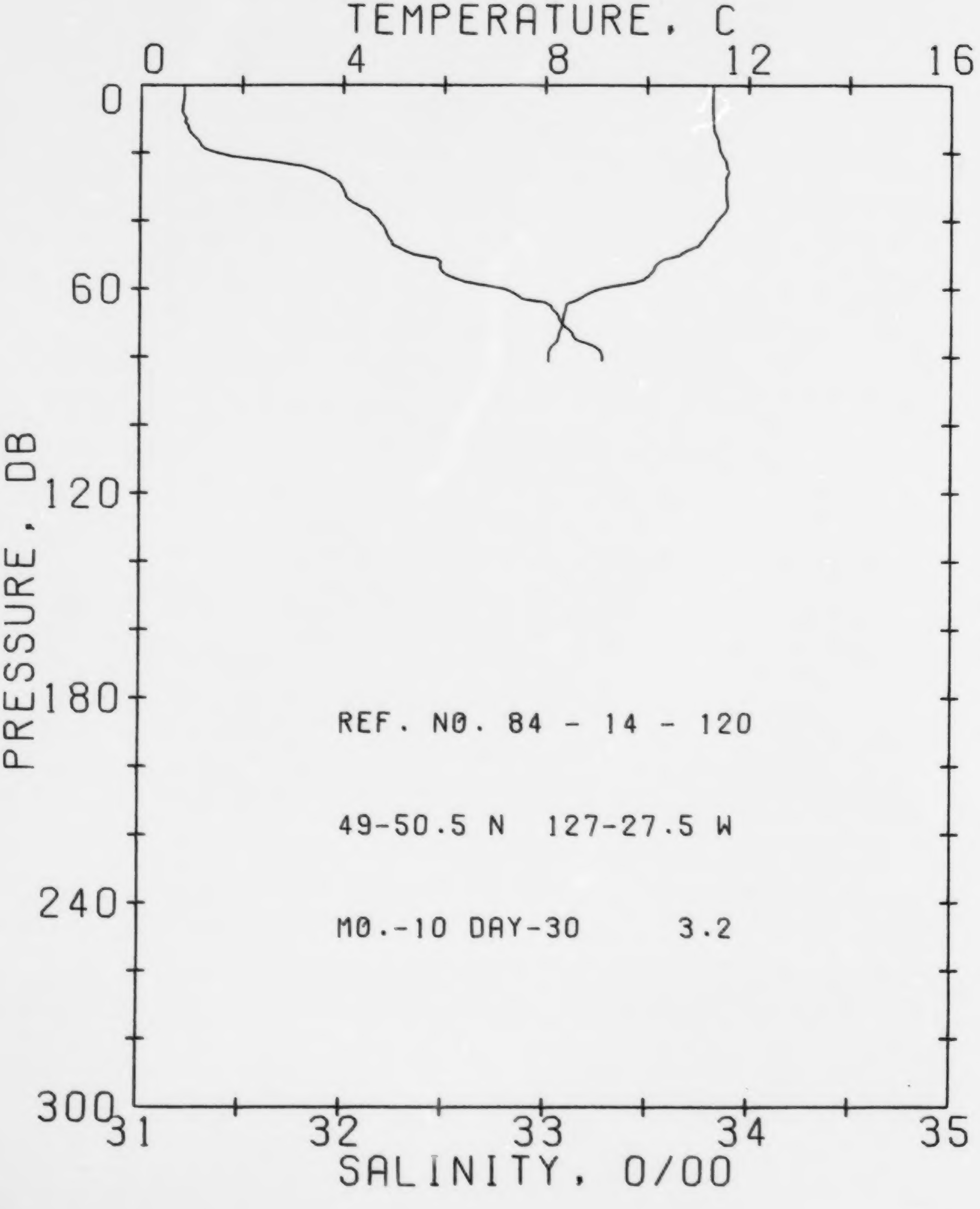
DEPTH: DEPTH in metres
TEMPERATURE: TEMP in degrees Celcius
SALINITY: SAL in grams per kilogram
SIGMA-T: SIG-T (dimensionless)
SPECIFIC VOLUME ANOMALY: SVA in 10Exp(-5)* cm^3/gram
GEOPOTENTIAL ANOMALY: DELTA-D in Joules/Kilogram
POTENTIAL ENERGY: POT. EN. in 10Exp(8) $Ergs/cm^2$
SPEED OF SOUND: SOUND in metres/second


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 84 - 14 - 118
50-2.5 N 127-55.3 W
MO.-10 DAY-30 0.3
31
32
33
34
35
SALINITY, 0/00

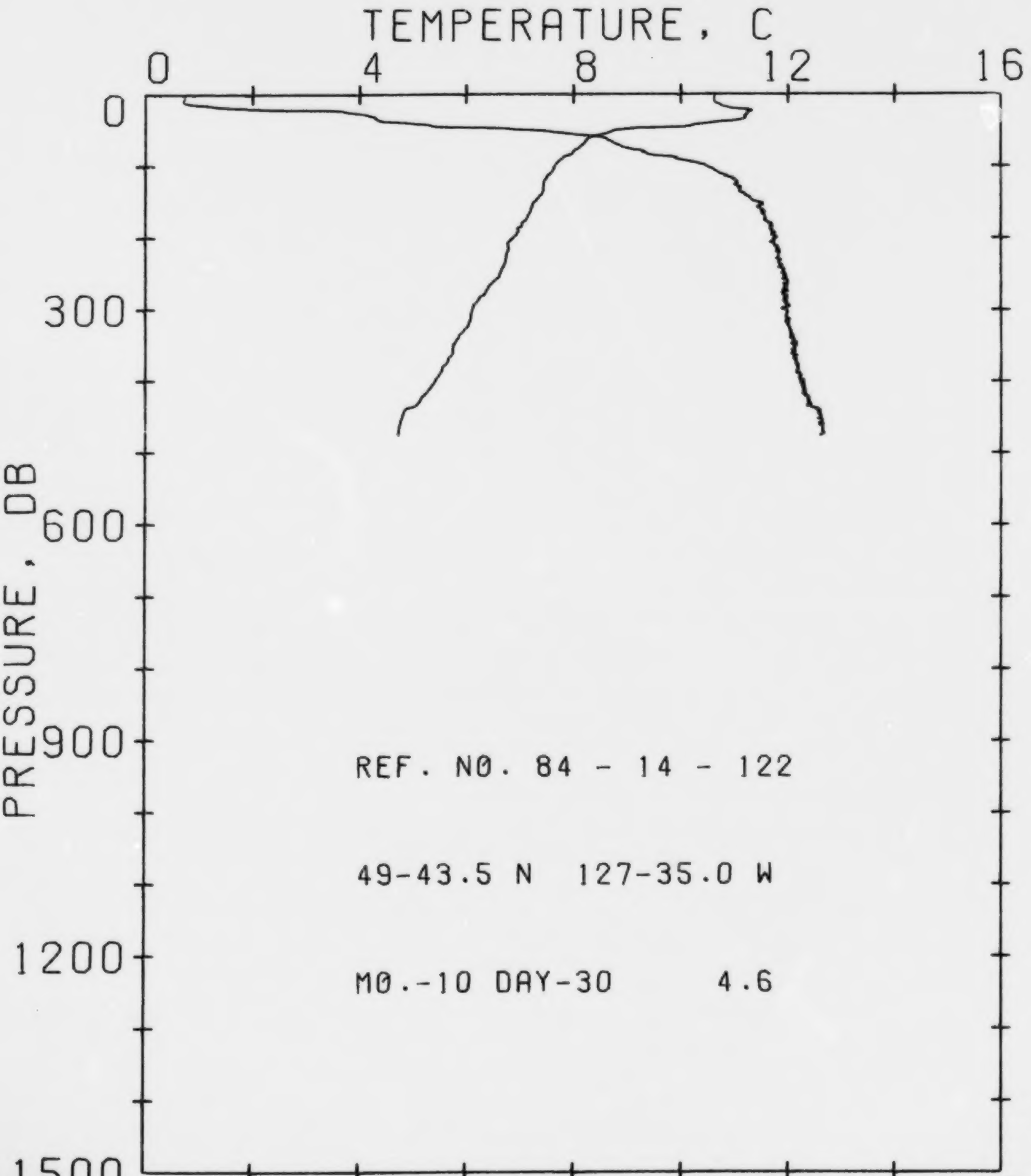
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-118          DATE 30/10/84
POSITION  50- 2.5N, 127-55.3W    GMT   .3       STATION M  2
RESULTS OF STP CAST   638 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.    SOUND
                                    T               D        EN
    0   10.49   31.29       0    24.01   391.5     .00      .00    1487.
   10   10.48   31.29      10    24.00   392.0     .39      .02    1488.
   20   10.65   31.42      20    24.08   384.8     .78      .08    1488.
   30   10.77   31.51      30    24.13   380.4    1.16      .18    1489.
   50   11.34   31.90      50    24.33   361.6    1.91      .48    1492.
   75   10.77   32.22      75    24.68   328.8    2.77     1.03    1491.
  100    7.49   33.67      99    26.32   172.3    3.35     1.53    1481.
  125    7.30   33.82     124    26.47   159.0    3.76     2.00    1481.
  150    7.11   33.87     149    26.53   153.1    4.15     2.55    1480.
  175    7.03   33.90     174    26.57   150.0    4.53     3.18    1481.
  200    6.86   33.93     199    26.62   146.1    4.90     3.88    1480.
  225    6.73   33.94     223    26.64   144.0    5.26     4.67    1480.
  250    6.68   33.94     248    26.65   143.2    5.62     5.54    1480.
  300    6.37   33.97     298    26.72   137.6    6.32     7.50    1480.
  400    5.59   34.04     397    26.87   123.8    7.62    12.12    1479.
  500    5.26   34.08     496    26.94   118.3    8.82    17.65    1479.
  600    4.56   34.19     595    27.10   103.0    9.93    23.87    1478.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 14 - 119
49-59.5 N 127-44.3 W
MO.-10 DAY-30 1.6
27
29
31
33
35
SALINITY, 0/00

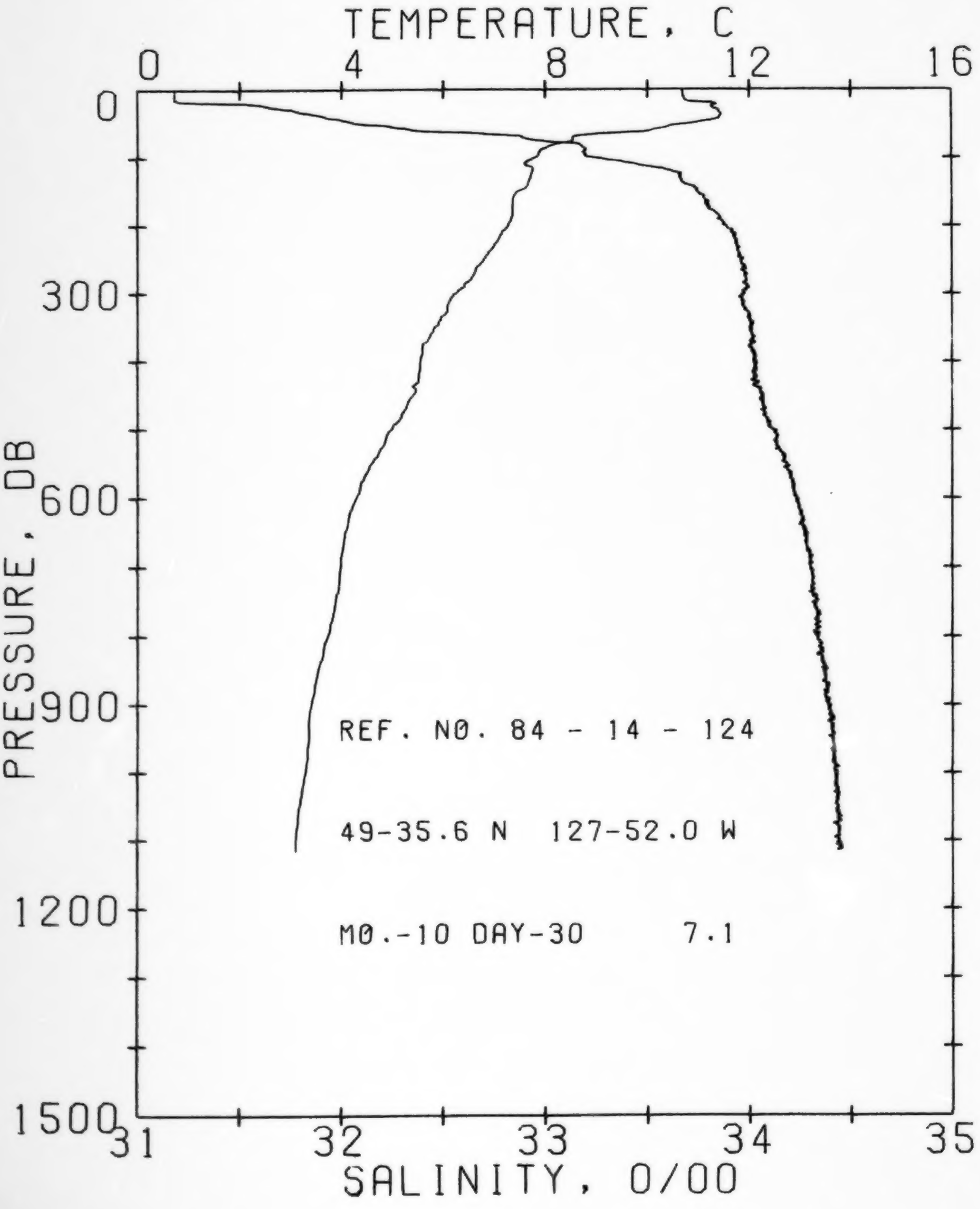
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-119          DATE 30/10/84
POSITION  49-59.5N, 127-44.3W   GMT  1.6       STATION L  2
RESULTS OF STP CAST   163 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   10.80   30.78       0    23.56   434.1     .00     .00   1488.
   10   10.81   30.78      10    23.55   435.1     .43     .02   1488.
   20   11.66   31.44      20    23.91   400.5     .87     .09   1492.
   30   11.67   31.59      30    24.03   389.7    1.26     .19   1493.
   50   11.11   31.88      50    24.35   359.4    2.01     .49   1491.
   75    8.76   33.03      75    25.64   237.3    2.78     .98   1484.
  100    7.85   33.47      99    26.12   192.2    3.31    1.44   1482.
  125    7.77   33.50     124    26.15   189.3    3.79    1.99   1482.
  150    7.74   33.51     149    26.17   188.2    4.26    2.65   1482.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 14 - 120
49-50.5 N 127-27.5 W
MO.-10 DAY-30 3.2
31
32
33
34
35
SALINITY, 0/00

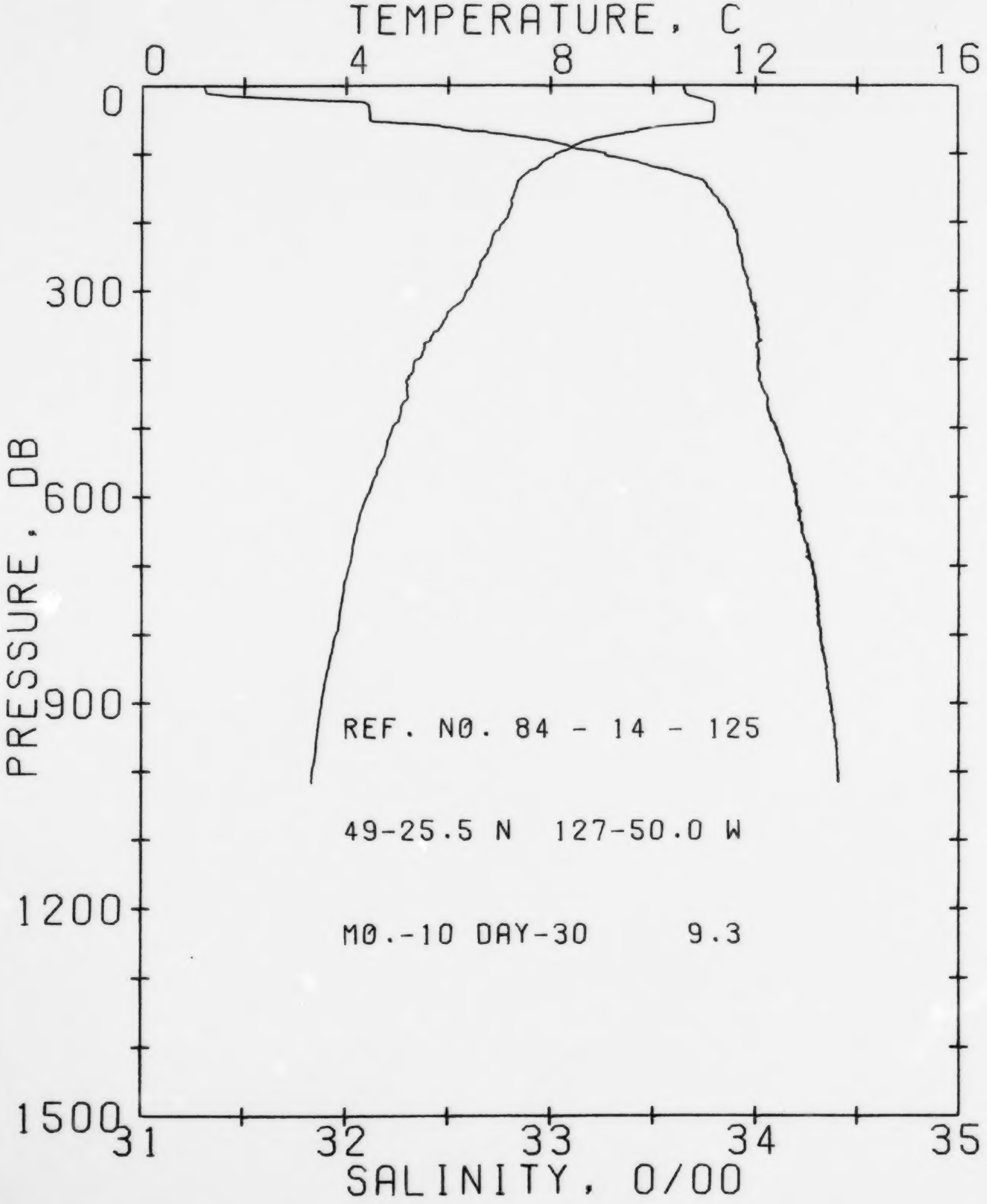
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-120          DATE 30/10/84
POSITION  49-50.5N, 127-27.5W   GMT  3.2       STATION K  3
RESULTS OF STP CAST    82 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL   DEPTH    SIGMA     SVA    DELTA     POT.   SOUND
                                   T                D        EN
   0    11.29   31.21       0    23.80   410.6     .00      .00   1490.
  10    11.30   31.23      10    23.82   409.7     .41      .02   1490.
  20    11.45   31.38      20    23.91   401.3     .82      .08   1491.
  30    11.56   32.00      30    24.36   357.9    1.19      .18   1493.
  50    10.65   32.36      50    24.80   316.4    1.88      .46   1490.
  75     8.25   33.16      75    25.81   220.6    2.52      .86   1483.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 84 - 14 - 122
49-43.5 N 127-35.0 W
MO.-10 DAY-30 4.6
31
32
33
34
35
SALINITY, 0/00

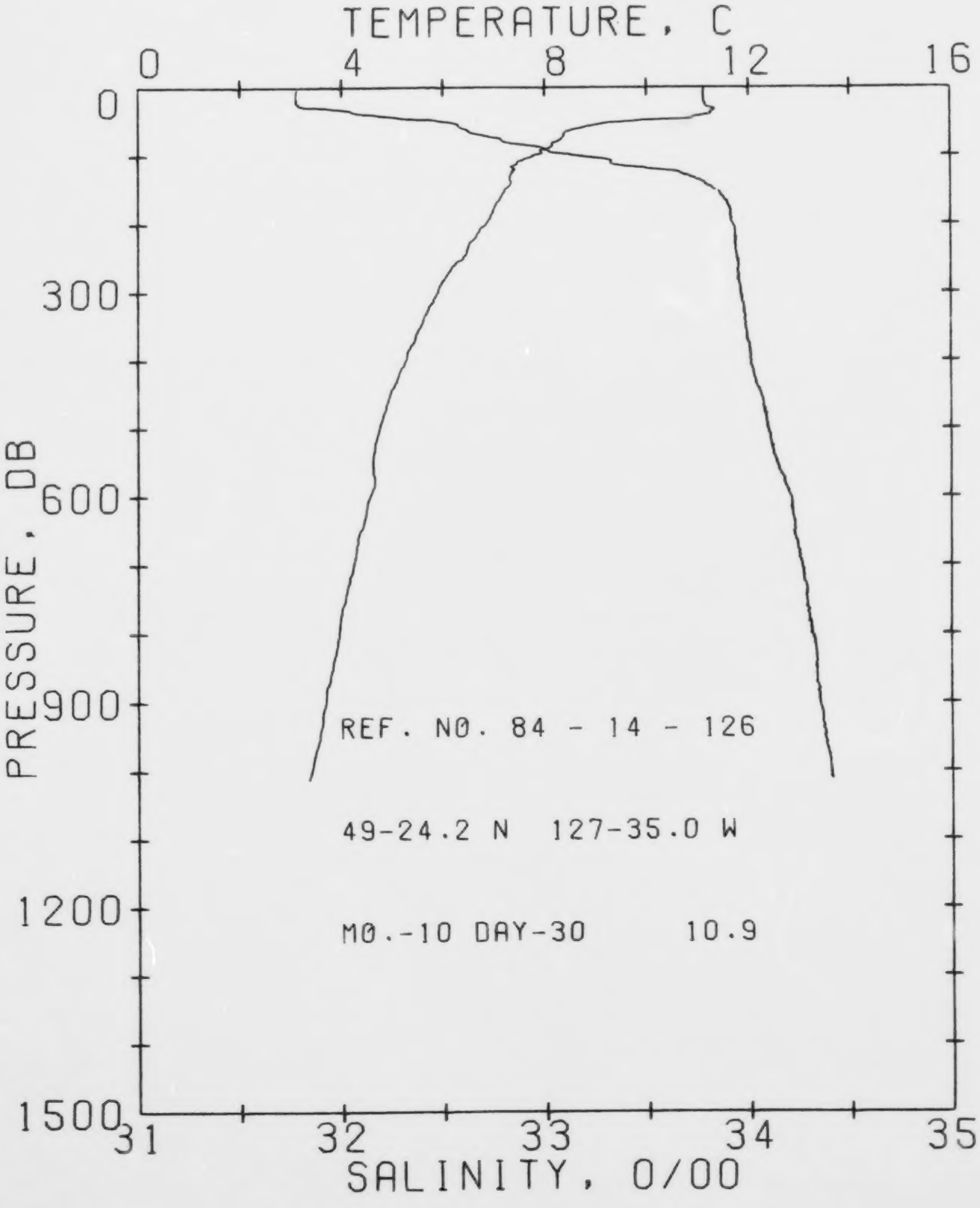
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-122        DATE 30/10/84
POSITION  49-43.5N, 127-35.0W   GMT  4.6       STATION K  4
RESULTS OF STP CAST   471 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
    0   10.62   31.18       0    23.90   401.7     .00     .00   1488.
   10   10.62   31.18      10    23.90   402.1     .40     .02   1488.
   20   10.95   31.49      20    24.08   384.7     .80     .08   1490.
   30   11.19   32.05      30    24.47   347.7    1.16     .17   1491.
   50    8.78   32.80      50    25.46   253.9    1.79     .43   1484.
   75    8.09   33.26      75    25.91   211.0    2.35     .78   1482.
  100    7.64   33.62      99    26.26   178.1    2.84    1.21   1481.
  125    7.43   33.77     124    26.41   164.6    3.26    1.70   1481.
  150    7.27   33.86     149    26.50   156.2    3.67    2.27   1481.
  175    7.10   33.89     174    26.56   151.5    4.05    2.90   1481.
  200    6.87   33.95     199    26.63   144.9    4.42    3.61   1480.
  225    6.74   33.95     223    26.65   142.9    4.78    4.39   1480.
  250    6.62   33.99     248    26.69   139.2    5.14    5.25   1480.
  300    6.11   33.99     298    26.77   132.8    5.82    7.15   1479.
  400    5.41   34.06     397    26.90   120.6    7.09   11.67   1478.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 14 - 124
49-35.6 N 127-52.0 W
MO.-10 DAY-30 7.1

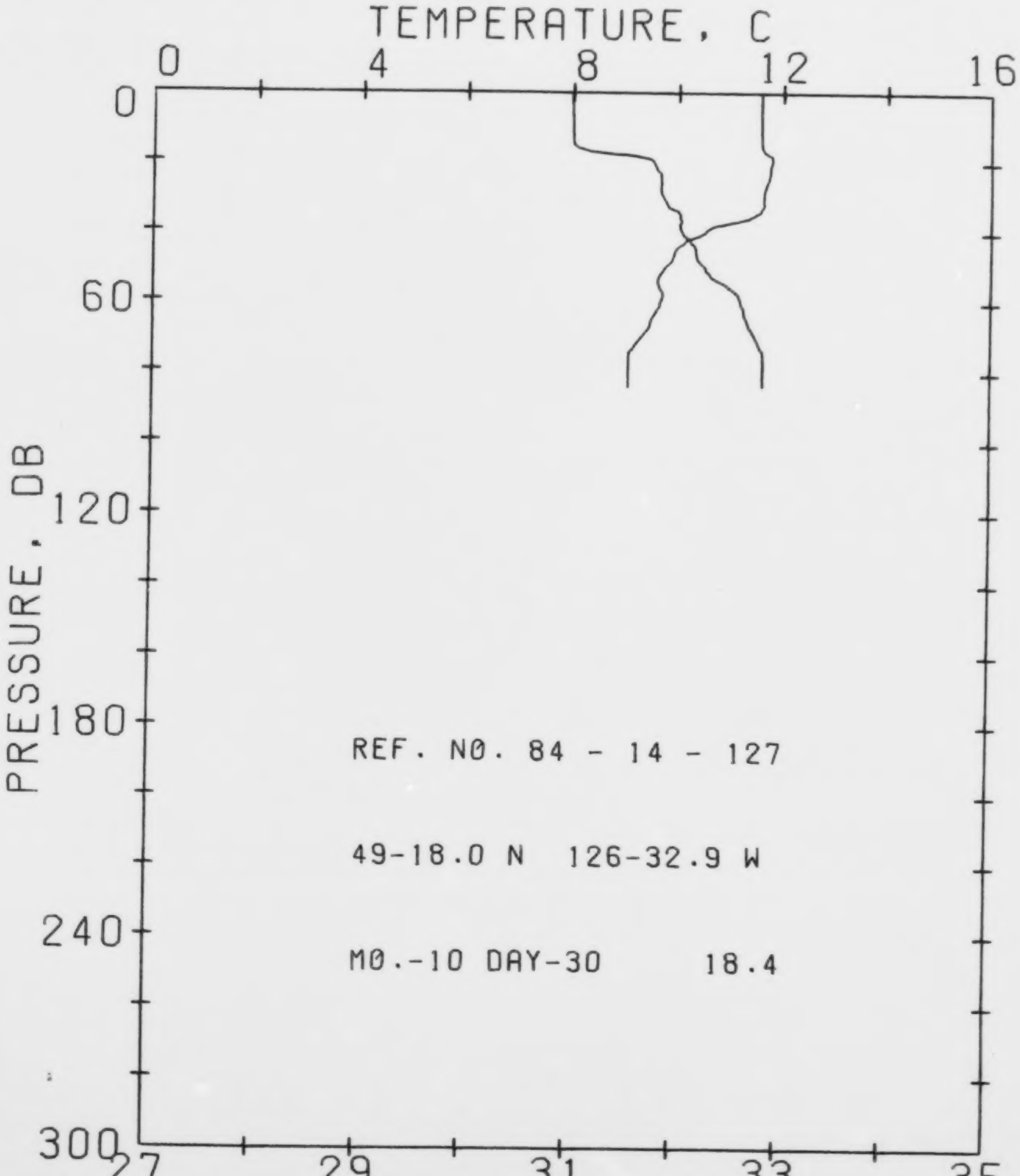
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-124          DATE 30/10/84
POSITION  49-35.6N, 127-52.0W   GMT  7.1       STATION K  7
RESULTS OF STP CAST  1101 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA     POT.   SOUND
                                    T               D       EN
    0   10.69   31.18       0    23.89   402.9     .00      .00   1488.
   10   10.69   31.18      10    23.88   403.3     .40      .02   1488.
   20   11.34   31.54      20    24.05   387.3     .80      .08   1491.
   30   11.39   31.77      30    24.22   371.3    1.18      .18   1492.
   50   10.78   32.09      50    24.58   337.8    1.90      .47   1490.
   75    8.55   33.00      75    25.64   236.8    2.61      .91   1484.
  100    7.78   33.26      99    25.96   206.8    3.15     1.39   1481.
  125    7.74   33.66     124    26.28   177.0    3.62     1.93   1482.
  150    7.44   33.75     149    26.39   166.7    4.05     2.54   1482.
  175    7.36   33.80     174    26.45   161.7    4.46     3.21   1482.
  200    7.28   33.89     199    26.53   154.4    4.85     3.97   1482.
  225    7.03   33.94     223    26.61   147.5    5.23     4.78   1481.
  250    6.80   33.95     248    26.65   143.9    5.59     5.67   1481.
  300    6.21   33.98     298    26.74   134.9    6.29     7.62   1479.
  400    5.55   34.04     397    26.87   123.6    7.58    12.23   1479.
  500    4.98   34.12     496    27.00   111.7    8.79    17.74   1478.
  600    4.29   34.24     595    27.17    96.0    9.83    23.54   1477.
  800    3.73   34.33     793    27.30    84.6   11.61    36.21   1478.
 1000    3.29   34.44     991    27.43    73.2   13.16    50.44   1479.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
300
600
900
1200
1500
REF. NO. 84 - 14 - 125
49-25.5 N 127-50.0 W
MO.-10 DAY-30 9.3
31
32
33
34
35
SALINITY, 0/00

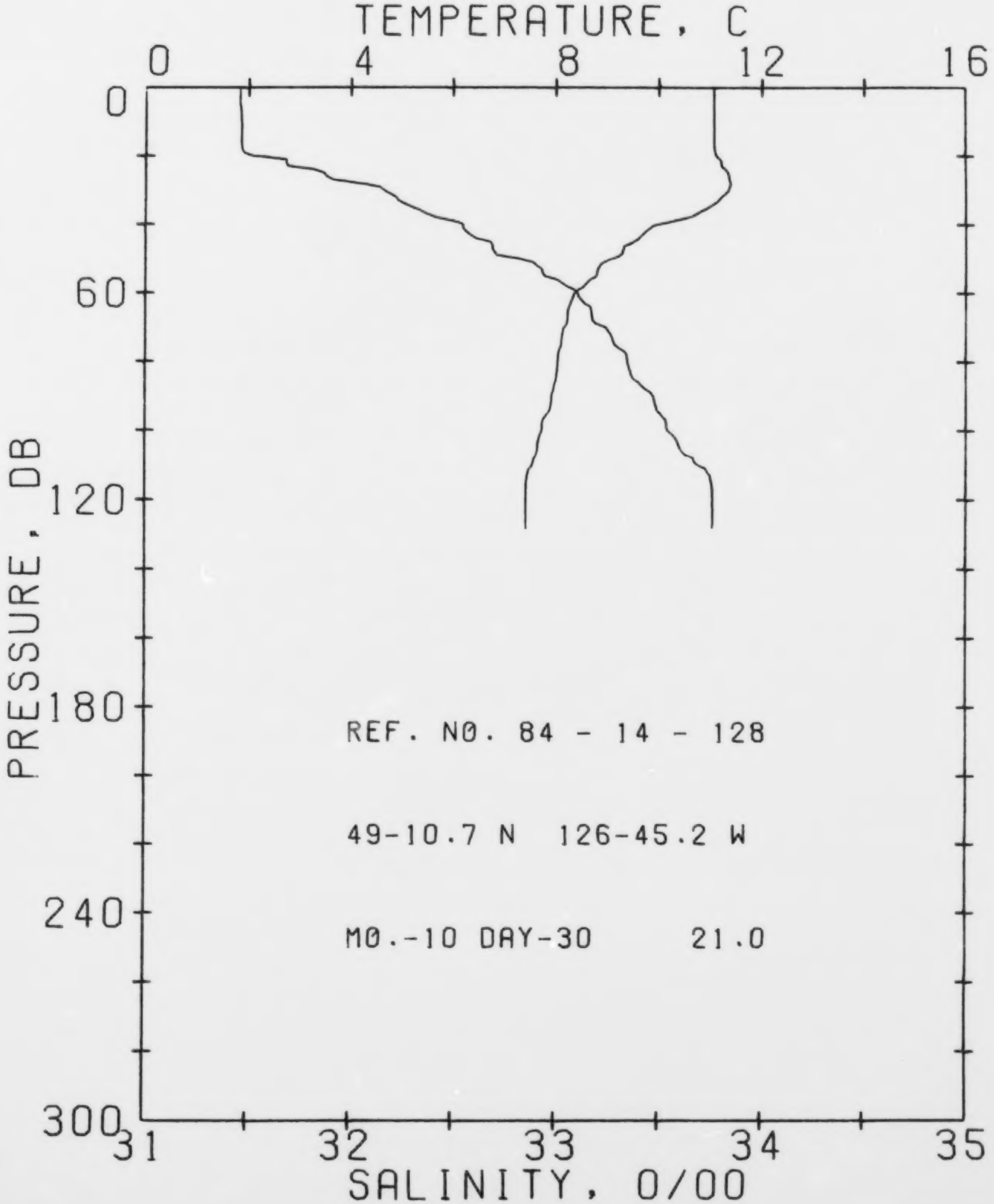
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-125           DATE 30/10/84
POSITION  49-25.5N, 127-50.0W    GMT  9.3        STATION K 8A
RESULTS OF STP CAST  1013 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T               D       EN
    0   10.60   31.31       0   24.00   392.1      .00      .00   1488.
   10   10.61   31.31      10   24.00   392.0      .39      .02   1488.
   20   10.95   31.77      20   24.29   364.3      .77      .08   1490.
   30   11.20   32.11      30   24.52   343.0     1.12      .17   1492.
   50   11.20   32.12      50   24.52   343.0     1.81      .45   1492.
   75    9.00   32.86      75   25.47   253.3     2.55      .91   1485.
  100    8.09   33.27      99   25.93   210.0     3.12     1.42   1483.
  125    7.59   33.59     124   26.25   179.6     3.61     1.98   1482.
  150    7.33   33.77     149   26.43   163.1     4.03     2.57   1481.
  175    7.25   33.84     174   26.49   157.6     4.44     3.24   1481.
  200    7.07   33.89     199   26.56   151.8     4.82     3.98   1481.
  225    6.86   33.91     223   26.60   147.7     5.20     4.78   1481.
  250    6.71   33.93     248   26.64   144.3     5.56     5.67   1481.
  300    6.36   33.97     298   26.72   137.5     6.27     7.65   1480.
  400    5.37   34.02     397   26.88   122.5     7.56    12.26   1478.
  500    4.91   34.10     496   27.00   112.1     8.75    17.71   1478.
  600    4.39   34.20     595   27.13    99.7     9.81    23.64   1477.
  800    3.79   34.32     793   27.29    85.5    11.65    36.70   1478.
 1000    3.34   34.41     991   27.41    75.5    13.25    51.38   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
300
600
900
1200
1500
PRESSURE, DB
REF. NO. 84 - 14 - 126
49-24.2 N 127-35.0 W
MO.-10 DAY-30 10.9
31
32
33
34
35
SALINITY, 0/00

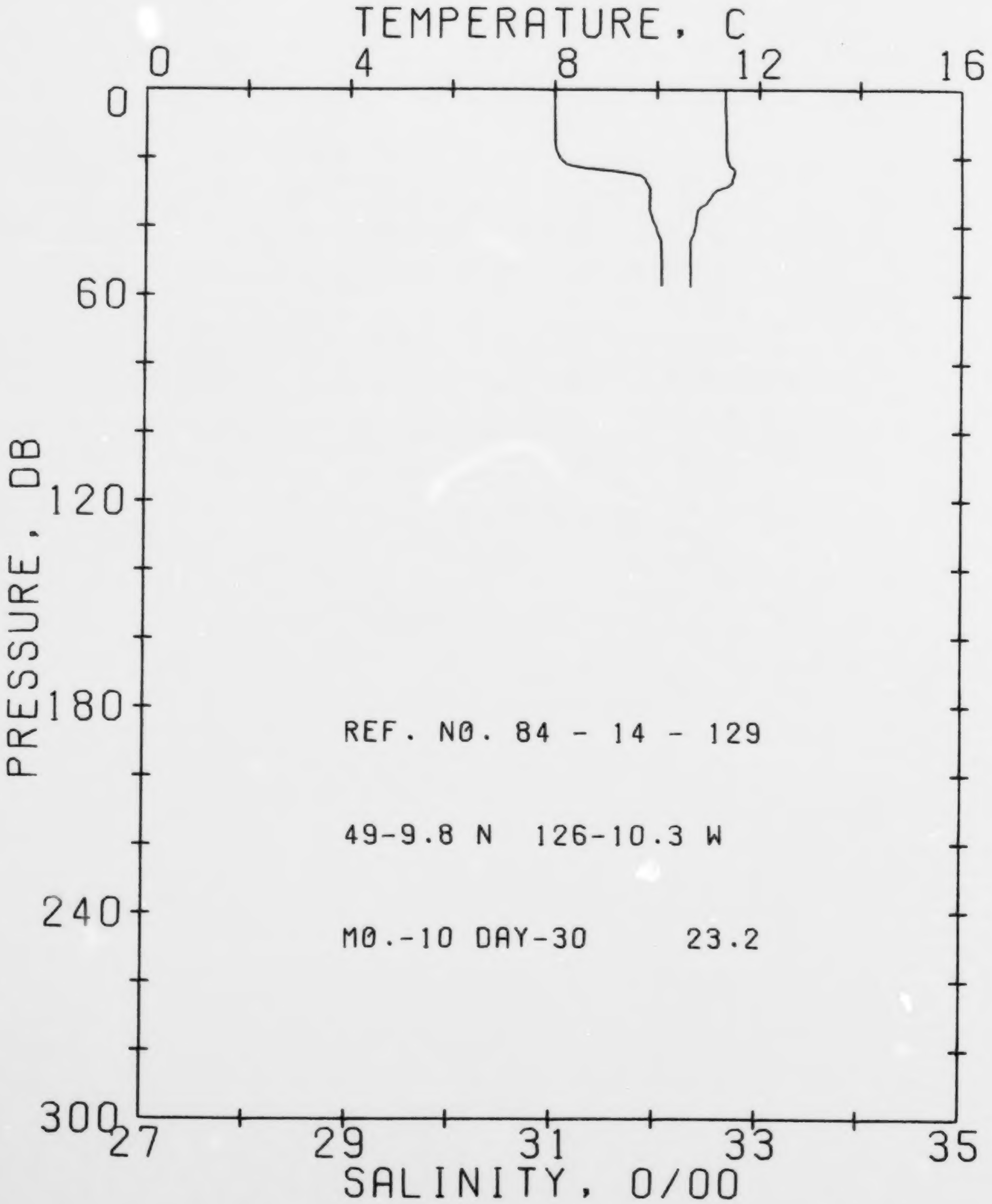
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-126          DATE 30/10/84
POSITION  49-24.2N, 127-35.0W   GMT 10.9        STATION J  7
RESULTS OF STP CAST  1012 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT


PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA    POT.   SOUND
                                    T                D       EN
    0   11.13   31.78        0    24.27   365.8      .00     .00   1490.
   10   11.11   31.78       10    24.27   365.9      .37     .02   1490.
   20   11.12   31.77       20    24.27   366.6      .73     .07   1491.
   30   11.33   31.93       30    24.35   359.1     1.10     .17   1492.
   50    9.63   32.49       50    25.08   290.1     1.77     .44   1487.
   75    8.33   32.79       75    25.51   249.0     2.43     .86   1483.
  100    7.80   33.17       99    25.89   213.8     3.01    1.38   1481.
  125    7.35   33.67      124    26.34   170.9     3.50    1.93   1481.
  150    7.22   33.83      149    26.49   157.3     3.90    2.50   1481.
  175    7.02   33.90      174    26.57   149.7     4.29    3.13   1481.
  200    6.85   33.92      199    26.61   146.5     4.66    3.84   1480.
  225    6.55   33.94      223    26.67   141.6     5.02    4.62   1480.
  250    6.40   33.94      248    26.69   139.9     5.37    5.47   1479.
  300    5.89   33.96      298    26.77   132.3     6.04    7.37   1478.
  400    5.26   34.01      397    26.88   122.4     7.31   11.89   1477.
  500    4.74   34.09      496    27.01   111.2     8.47   17.20   1477.
  600    4.55   34.21      595    27.12   101.3     9.54   23.16   1478.
  800    3.94   34.31      793    27.26    88.7    11.43   36.61   1479.
 1000    3.40   34.40      991    27.39    76.8    13.09   51.77   1480.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
REF. NO. 84 - 14 - 127
49-18.0 N 126-32.9 W
MO.-10 DAY-30 18.4
27
29
31
33
35
SALINITY, O/OO

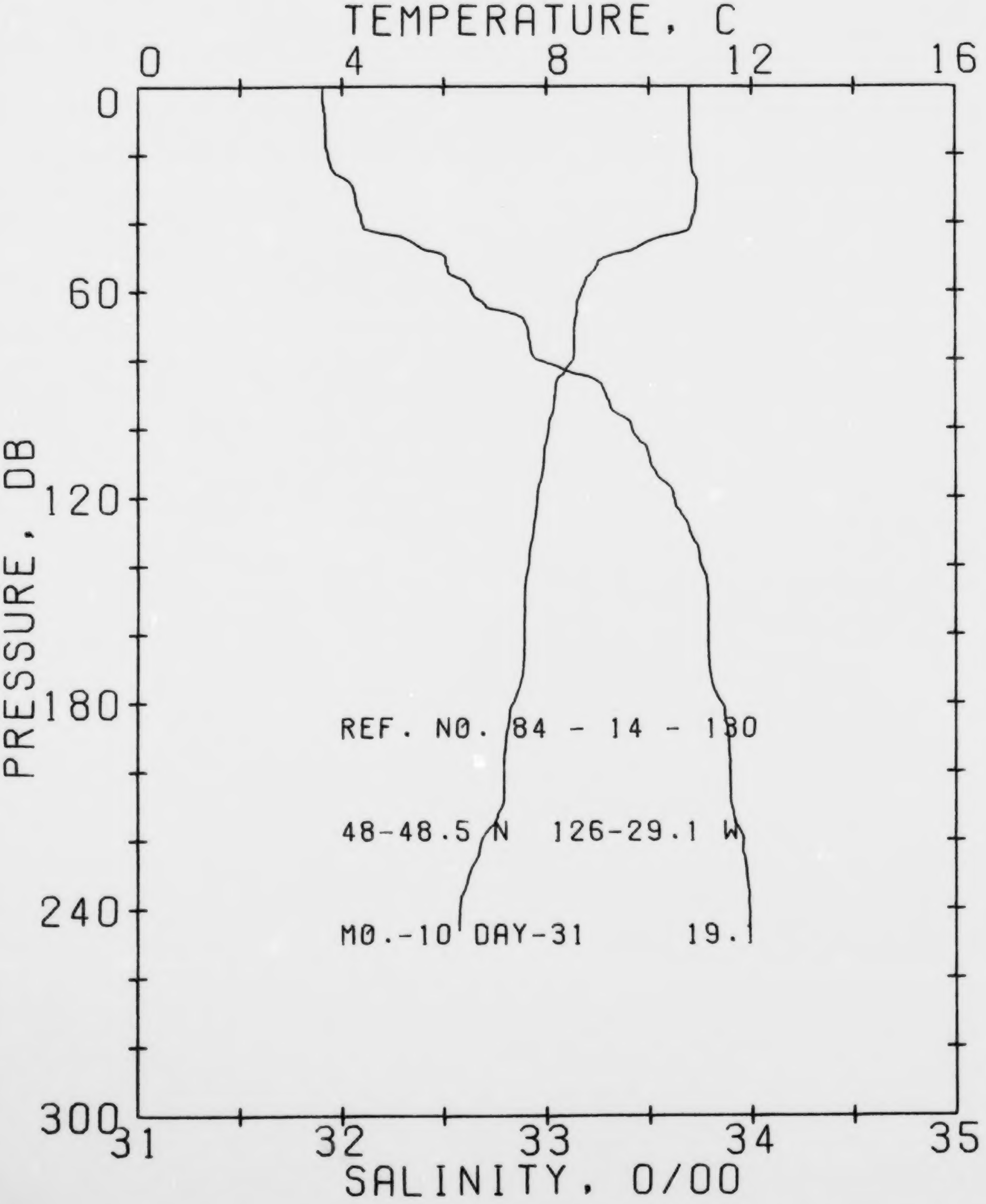
```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-127          DATE 30/10/84
POSITION  49-18.0N, 126-32.9W   GMT 18.4       STATION E  1
RESULTS OF STP CAST     85 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                    T                  D       EN
    0   11.58   30.99        0    23.58   431.8      .00      .00   1491.
   10   11.58   31.00       10    23.59   431.6      .43      .02   1491.
   20   11.79   31.77       20    24.15   378.1      .85      .09   1493.
   30   11.63   31.86       30    24.25   369.1     1.22      .18   1493.
   50    9.75   32.26       50    24.88   309.0     1.90      .45   1487.
   75    9.08   32.82       75    25.43   257.5     2.60      .90   1485.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
31
32
33
34
35
SALINITY, 0/00
REF. N0. 84 - 14 - 128
49-10.7 N 126-45.2 W
M0.-10 DAY-30 21.0

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-128          DATE 30/10/84
POSITION  49-10.7N, 126-45.2W    GMT 21.0       STATION E  2
RESULTS OF STP CAST   129 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP      SAL    DEPTH    SIGMA     SVA    DELTA     POT.    SOUND
                                     T                D        EN
    0   11.07    31.46        0    24.03   388.7      .00      .00   1490.
   10   11.07    31.47       10    24.04   388.3      .39      .02   1490.
   20   11.11    31.52       20    24.07   385.4      .78      .08   1490.
   30   11.37    32.16       30    24.53   342.2     1.14      .17   1492.
   50    9.05    32.83       50    25.44   256.1     1.74      .41   1485.
   75    8.11    33.29       75    25.94   208.8     2.30      .77   1482.
  100    7.73    33.55       99    26.19   184.7     2.79     1.21   1482.
  125    7.42    33.76      124    26.41   164.6     3.22     1.69   1481.
```


TEMPERATURE, C
0
4
8
12
16
0
60
120
180
240
300
PRESSURE, DB
27
29
31
33
35
SALINITY, 0/00
REF. NO. 84 - 14 - 129
49-9.8 N 126-10.3 W
MO.-10 DAY-30 23.2

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-129          DATE 30/10/84
POSITION  49- 9.8N, 126-10.3W   GMT 23.2       STATION T  1
RESULTS OF STP CAST     58 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.    SOUND
                                    T                D      EN
   0    11.33   31.00       0    23.63   427.0     .00     .00   1490.
  10    11.35   31.01      10    23.64   426.9     .43     .02   1490.
  20    11.37   31.06      20    23.67   423.8     .85     .09   1491.
  30    11.12   31.93      30    24.40   354.9    1.24     .18   1491.
  50    10.66   32.05      50    24.57   338.8    1.93     .46   1490.
```


TEMPERATURE, C
0
4
8
12
16
PRESSURE, DB
0
60
120
180
240
300
31
32
33
34
35
SALINITY, 0/00
REF. NO. 84 - 14 - 130
48-48.5 N 126-29.1 W
MO.-10 DAY-31 19.1

```
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84-14-130          DATE 31/10/84
POSITION  48-48.5N, 126-29.1W    GMT 19.1        STATION T  5
RESULTS OF STP CAST   247 POINTS TAKEN FROM DIGITAL SYSTEM
GUILDLINE WAS USED,PRESSURES ARE INPUT

PRESS    TEMP     SAL    DEPTH    SIGMA    SVA    DELTA    POT.   SOUND
                                    T               D       EN
   0    10.79    31.90       0    24.43   351.1     .00     .00   1489.
  10    10.80    31.92      10    24.44   350.5     .35     .02   1490.
  20    10.83    31.94      20    24.45   349.7     .70     .07   1490.
  30    10.94    32.06      30    24.52   342.7    1.05     .16   1491.
  50     9.17    32.51      50    25.17   281.5    1.70     .42   1485.
  75     8.55    32.92      75    25.58   242.3    2.35     .84   1484.
 100     8.04    33.42      99    26.05   198.6    2.90    1.32   1483.
 125     7.79    33.66     124    26.27   177.6    3.37    1.86   1482.
 150     7.57    33.79     149    26.41   165.3    3.79    2.45   1482.
 175     7.48    33.81     174    26.44   162.7    4.20    3.14   1482.
 200     7.17    33.89     199    26.55   152.6    4.59    3.88   1482.
 225     6.64    33.97     223    26.68   140.5    4.96    4.68   1480.
```

```
▸

OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 14-121      DATE 30/10/84   GMT  3.4
POSITION   49-50.5 N,  127-27.6 W                 STATION K003
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0           31.267  6.095
   10           31.300  6.137
   20           31.821  6.216
   30           31.983  6.081
   50           32.268  5.546


OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 84- 14-123      DATE 30/10/84   GMT  5.2
POSITION   49-43.0 N,  127-35.1 W                 STATION K004
HYDROGRAPHIC CAST DATA

OBSERVED DATA

DEPTH    TEMP     SAL     OXY

    0           31.218  6.221
   10           31.211  6.242
   20           32.003  6.243
   30           32.174  5.164
   50           32.948  3.949
   75           33.614  3.290
  100           33.615  3.071
  125           33.741  2.893
  150           33.829  2.833
  175           33.899  2.670
  200           33.924  2.402
  250           33.956  2.328
  300           33.973  2.164
  400           33.999  1.795

▸

∂FIN
```